#### **Inspection Report - Locking Tests & Inspections** RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE 02/09/2007 Test Date: Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER Employee's Name: Daryll Hays (dhays) PARS Number: SINS0167 Conditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R в

P = Pass F = Fail

Governed by Special Instruction

NI = No Inspection Required.

CO = Compliant NC = Not compliant

NT = The equipment was not tested in this inspection. N = Test Not Applicable.

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NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests			1			I	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	02/09/2007	Ν	С	Ν	С	С	Ν
1EB(sig)-1.R(sw)-1WB(sig)	02/09/2007	Ν	Ν	С	С	С	Ν
1WA(sig)-1.N(sw)-1EA(sig)	02/09/2007	Ν	С	Ν	С	С	Ν
1WB(sig)-1.R(sw)-1EB(sig)	02/09/2007	Ν	С	Ν	С	С	Ν

#### RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE 02/09/2009 Test Date: Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER Employee's Name: Daryll Hays (dhays) PARS Number: SINS0167 Conditions Master Key Inditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R

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NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests	5	1				1	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	02/09/2009	N	С	Ν	С	С	Ν
1EB(sig)-1.R(sw)-1WB(sig)	02/09/2009	N	Ν	С	С	С	N
1WA(sig)-1.N(sw)-1EA(sig)	02/09/2009	Ν	С	Ν	С	С	Ν
1WB(sig)-1.R(sw)-1EB(sig)	02/09/2009	N	С	Ν	С	С	N

### RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE Test Date: 02/07/2011 Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER Employee's Name: Daryll Hays (dhays) PARS Number: SINS0167 Conditions Master Key Inditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R

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NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests	5					1	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	02/07/2011	Ν	С	Ν	С	С	Ν
1EB(sig)-1.R(sw)-1WB(sig)	02/07/2011	Ν	Ν	С	С	С	Ν
1WA(sig)-1.N(sw)-1EA(sig)	02/07/2011	Ν	С	Ν	С	С	Ν
1WB(sig)-1.R(sw)-1EB(sig)	02/07/2011	Ν	С	Ν	С	С	Ν

### RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE **Test Date:** 02/04/2013 Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER Employee's Name: Daryll Hays (dhays) PARS Number: SINS0167 Conditions Master Key Inditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R

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NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Te	sts		1		1	1	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	02/04/2013	Ν	С	Ν	С	С	N
1EB(sig)-1.R(sw)-1WB(sig)	02/04/2013	Ν	Ν	С	С	С	С
1WA(sig)-1.N(sw)-1EA(sig)	02/04/2013	Ν	С	Ν	С	С	N
1WB(sig)-1.R(sw)-1EB(sig)	02/04/2013	Ν	С	Ν	С	С	Ν

<pre>C = Test completed, no exceptions found, and condition left in compl A = Adjustments made (identified in associated comments), test compl B = Baseline data matches that recorded during the most recent Basel G = Governed by Special Instruction NT = The equipment was not tested in this inspection. N = Test Not Applicable. NI = No Inspection Required. CO = Compliant NC = Not compliant P = Pass F = Fail NOTE: Entry of results of tests indicates for approach locking and for time locking each time locking circuit is effective.</pre>	eted, and condition left nts), test completed, ar ine test, so full test r	nd cond not req	ition uired.	left i	-		
Locking Te	sts		1				
		l 176)	377)	378)	379)	ation 236.380)	236.381)
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.	Traffic (FRA 236.
Route Nomenclature		Z (FRA 236.3	24		O Route (FRA 236.3	O (FRA 236.3	BA
	Tested		Appro (FRA	Time (FRA		Indica (FRA	Traffio (FRA
1EA(sig)-1.N(sw)-1WA(sig)	Tested           02/04/2013	N	O Appro (FRA	∠ Time (FRA	С	⊖ <mark>(FRA</mark>	Z (FRA

### **Inspection Report - Locking Tests & Inspections** RAILWAY

NOTE: This test was sent in an inordinate amount of time after the date on which it was performed. As such, this is likely a startup test. You may want to check into paper records for more accurate information about this test, or contact RailDOCS Support at raildocs.support@ge.com if you think

**Division:** POWDER RIVER

Milepost (with Line Segment): 4 475.20 - 475.20

Location / Highway Name: east edgemont

Employee's Name: Daryll Hays (dhays)

Subdivision: BUTTE

County: FALL RIVER

this is not correct.

Report ID: 03440994 Report Form Type: 2y Locking

BABL2KX

02/04/2013

SINS0167

Asset ID:

Test Date:

State: SD

PARS Number:

### RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE Test Date: 01/07/2015 Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER Employee's Name: Daryll Hays (dhays) PARS Number: SINS0167 Conditions Master Key Inditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R

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NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tes	ts	1	1		I	1	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	01/07/2015	Ν	С	Ν	С	С	N
1EB(sig)-1.R(sw)-1WB(sig)	01/07/2015	Ν	Ν	С	С	С	N
1WA(sig)-1.N(sw)-1EA(sig)	01/07/2015	Ν	С	Ν	С	С	N
1WB(sig)-1.R(sw)-1EB(sig)	01/07/2015	Ν	С	Ν	С	С	Ν

#### RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE Test Date: 11/19/2015 Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER **Employee's Name:** Bryant Quick (bquick) PARS Number: SINS0251 Conditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R

в Governed by Special Instruction G

NT = The equipment was not tested in this inspection. N = Test Not Applicable.

- NI = No Inspection Required.

CO = Compliant NC = Not compliant

P = Pass F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests	5					1	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	11/19/2015	NT	NT	NT	NT	С	NT
1EB(sig)-1.R(sw)-1WB(sig)	11/19/2015	NT	NT	NT	NT	С	NT
1WA(sig)-1.N(sw)-1EA(sig)	11/19/2015	NT	NT	NT	NT	С	NT
1WB(sig)-1.R(sw)-1EB(sig)	11/19/2015	NT	NT	NT	NT	С	NT

#### RAILWAY **Division:** POWDER RIVER BABL2KX Asset ID: Subdivision: BUTTE Test Date: 01/05/2017 Milepost (with Line Segment): 4 475.20 - 475.20 State: SD Location / Highway Name: east edgemont County: FALL RIVER **Employee's Name:** Robin Freeze (rfreeze) PARS Number: SINS0167 Conditions Master Key = Test completed, no exceptions found, and condition left in compliance. = Adjustments made (identified in associated comments), test completed, and condition left in compliance. = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance. = Baseline data matches that recorded during the most recent Baseline test, so full test not required. A R

в Governed by Special Instruction G

NT = The equipment was not tested in this inspection. N = Test Not Applicable.

- NI = No Inspection Required.

CO = Compliant NC = Not compliant

P = Pass F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Test	S					1	
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
1EA(sig)-1.N(sw)-1WA(sig)	01/05/2017	Ν	С	Ν	С	С	Ν
1EB(sig)-1.R(sw)-1WB(sig)	01/05/2017	Ν	Ν	С	С	С	Ν
1WA(sig)-1.N(sw)-1EA(sig)	01/05/2017	Ν	С	Ν	С	С	Ν
1WB(sig)-1.R(sw)-1EB(sig)	01/05/2017	Ν	С	Ν	С	С	Ν

#### **Inspection Report - Insulation Tests & Inspections** RAILWAY

Division: POWDER RIVER
Subdivision: BUTTE
Milepost (with Line Segment): 4 475.20 - 475.20
Location / Highway Name: east edgemont
County: FALL RIVER
Employee's Name: John Dexter (jdexter)

BABL2KX Asset ID: Test Date: 04/30/2007 State: SD

#### PARS Number: SINS0168

Conditions Master Key C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above. A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition. R = Repairs and/or Replacements made (identifed in associated comments), test completed, and condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. This is an annual re-inspection of a different conductor.

		Insulation Te	sts (FRA 234.267, 236	6.108)	
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	12	14	HOUSE	1 SWITCH	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	3	6	HOUSE	1 SWITCH	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	2	6	HOUSE	1 SWITCH	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	1EA SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	1EB SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	1EC SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	1ED SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	1WA SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	1WB SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	2EA SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	2EB SIG.	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	2WA SIG.	С
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	7	14	HOUSE	SW. HTR.	C

# Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABL2KX
Subdivision: BUTTE	Test Date: 05/07/2007
Milepost (with Line Segment): 4 475.20 - 475.20	State: SD
Location / Highway Name: east edgemont	
County: FALL RIVER	
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167
<b>Conditions Master Key</b> C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and V = Visual inspection completed, condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. The given relay does not require inspection at the	-

		Relay Tests (I	FRA 234.263, 236.106)		
Shelf Name RACK 2G	Relay Name 1E-BKR		Serial Number L803155	Condition Left NT	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 2G	Relay Name 1E-TR		Serial Number L794445	Condition Left NT	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 2G	Relay Name OSTR		Serial Number L789462	Condition Left NT	
Relay Type (Drawing and/or C PN-150BTR (322501-702)	atalog Number)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested Not Tested
Shelf Name RACK 2G	Relay Name OSTP-THR		Serial Number L778687	Condition Left NT	· · · ·
Relay Type (Drawing and/or C PT-150 (322518-005)	atalog Number)		Resistance (Ohms)	Contacts 1F-1CB	Date Tested Not Tested
Shelf Name RACK 2G	Relay Name OSTPR		Serial Number L803079	Condition Left NT	
Relay Type (Drawing and/or C PN-250B (N322554-701 / 4			Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested Not Tested
Shelf Name RACK 2G	Relay Name OSTPPR		Serial Number L793461	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 2G	Relay Name POR		Serial Number 1281980	Condition Left	
Relay Type (Drawing and/or C PN-150P (322508-702-002			Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tester 05/07/2007
Neutral Dropaway 7.2200 V AC	·	Neutral Pickup 8.9800 V AC	I	Neutral Working 8.9800 V AC	
Shelf Name RACK 2F	Relay Name 1W-BKR		Serial Number L793456	Condition Left NT	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 2F	Relay Name P-TR		Serial Number L769753	Condition Left NT	·
Relay Type (Drawing and/or C PN-150BTR (322501-701)	atalog Number)		Resistance (Ohms)	Contacts 6F-6B	Date Tested Not Tested
Shelf Name RACK 2F	Relay Name 1W-TR		Serial Number L753231	Condition Left NT	i
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number) A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tester Not Tester
Shelf Name RACK 2F	Relay Name OSA-TR		Serial Number L814380	Condition Left NT	
Relay Type (Drawing and/or C PN-150BTR (322501-702)	atalog Number)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested Not Tested
Shelf Name RACK 2E	Relay Name 1LR		Serial Number L802432	Condition Left NT	1
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	Date Tester Not Tester

BA

	Relay	Tests (FRA 234.263, 236.106)			
Shelf Name RACK 2E	Relay Name 1LSR	Serial Number L793457		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 2E				Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	L803289 Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 2E	Relay Name 1W-ASR	Serial Number L804645		Condition Left	
Relay Type (Drawing and/or C	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
PN-150B (N322500-701 / 4 Shelf Name RACK 2E	Relay Name 1ASPR	Serial Number L793522		Condition Left	INDE TESTED
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 2E	Relay Name 1TER	Serial Number L816896		Condition Left	Not rested
Relay Type (Drawing and/or C		Resistance (Ohms)	Con 3F	tacts	Date Tested Not Tested
PN-150T (322523-308) Shelf Name BACK 2D	Relay Name	Serial Number	3F	Condition Left	Not rested
RACK 2D Relay Type (Drawing and/or C PP-151 (322516-001)	atalog Number)	L815449 Resistance (Ohms) 240	Con 6NF	tacts	Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1-OR	Serial Number L806579	ONF	Condition Left	
Relay Type (Drawing and/or C PN-150SO (322512-002)		Resistance (Ohms) 0.039	Con 1B-	tacts	Date Tested Not Tested
Shelf Name BACK 2D	Relay Name 1-WRPR	Serial Number L797150	10-	Condition Left	
Relay Type (Drawing and/or C PN-150BM (322517-001)		Resistance (Ohms)	Con 2FM	tacts	Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1E-ASPR	Serial Number L796869	21 10	Condition Left	Not rested
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1NWCR	Serial Number L810747		Condition Left	Not rested
Relay Type (Drawing and/or C PN-250B (N322554-701 / 4	atalog Number)	Resistance (Ohms) 250 (500/500 parallel)		tacts -6F-3B	Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1RWCR	Serial Number L803072	101.5	Condition Left	
Relay Type (Drawing and/or C PN-250B (N322554-701 / 4		Resistance (Ohms) 250 (500/500 parallel)		tacts -6F-3B	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-HR	Serial Number L803266	101 -	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-PCR	Serial Number L811679	10. 5	Condition Left	
Relay Type (Drawing and/or C PN-150BSR (N322503-701	atalog Number)	Resistance (Ohms)	Con 6F-6	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-DR	Serial Number L793251		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number) A1)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-FYR	Serial Number L793452		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 2EB-LOR	Serial Number L808944		Condition Left	
Relay Type (Drawing and/or C PN-150BL (322510-003)		Resistance (Ohms) 175	Con 3FB	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-YYR	Serial Number L759455		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name SMKR	Serial Number 2480908		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Con 6FB	tacts	Date Tested Not Tested

	Relay	Tests (FRA 234.263, 236.106)			
Shelf Name RACK 1F	Relay Name EAR	Serial Number Condition Left L796679 NT			
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name WAR	Serial Number L934973		Condition Left	I
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name	Relay Name	Serial Number		Condition Left	Not rested
RACK 1E Relay Type (Drawing and/or Cat	1W-YYR	L829731 Resistance (Ohms)	Cont	NT	Date Tested
PN-150B (N322500-701/4A	1)	400	6FB		Not Tested
Shelf Name RACK 1E	Relay Name 1W-DR	Serial Number 1980590		Condition Left NT	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1E	Relay Name 1W-FYR	Serial Number L793853		Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1E	Relay Name 1EA-HGPR	Serial Number 2580202	0.2	Condition Left	1.00.100.00
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 1E	Relay Name 1W-HR	Serial Number L793438		Condition Left	HOLIESIEU
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name	Relay Name 1W-PCR	Serial Number		Condition Left	Not rested
RACK 1E Relay Type (Drawing and/or Cat	alog Number)	L811661 Resistance (Ohms)	Cont		Date Tested
PN-150BSR (N322503-701 / Shelf Name RACK 1E	Relay Name	100 Serial Number	6F-6	Condition Left	Not Tested
Relay Type (Drawing and/or Cat		L796961 Resistance (Ohms)	Cont		Date Tested
PN-150B (N322500-701 / 4A Shelf Name	Relay Name	400 Serial Number	6FB	Condition Left	Not Tested
RACK 1E Relay Type (Drawing and/or Cat	1-EÓR	B1395302 Resistance (Ohms)	Cont	NT	Date Tested
PN-150F (N322530-701)	_ ·	60	6FB		Not Tested
Shelf Name RACK 1D	Relay Name 1EA-HGR	Serial Number L803286		Condition Left NT	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	1)	Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EA-LOR	Serial Number L827406		Condition Left NT	
Relay Type (Drawing and/or Cat PN-150BL (322510-003)	alog Number)	Resistance (Ohms) 175	Cont 3FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EB-HGPR	Serial Number L793523		Condition Left NT	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EB-HGR	Serial Number L793534		Condition Left NT	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EB-LOR	Serial Number L940894	_	Condition Left	I
Relay Type (Drawing and/or Cat PN-150BL (322510-903)		Resistance (Ohms) 175	Cont 3FB	acts	Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EC-LOR	Serial Number L808982		Condition Left	
Relay Type (Drawing and/or Cat PN-150BL (322510-003)		Resistance (Ohms) 175	Cont 3FB	acts	Date Tested Not Tested
Shelf Name RACK 1D	Relay Name	Serial Number		Condition Left	
RACK 1D Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A		L765578 Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 2E-PCR	Serial Number L582170		Condition Left	
Relay Type (Drawing and/or Cat	alog Number)	Resistance (Ohms)	Cont	acts	Date Tested
PN-150BSR (N322503-701 /		100	6F-6	βB	Not Tested

	Relay	<sup>7</sup> Tests (FRA 234.263, 236.106)			
Shelf Name RACK 1D	Relay Name 2-EOR	Serial Number B1395318			
Relay Type (Drawing and/or Ca PN-150F (N322530-701)		Resistance (Ohms) 60	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1WA-HGR	Serial Number L802365		Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4)	atalog Number)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1WA-LOR	Serial Number L809029		Condition Left	I
Relay Type (Drawing and/or Ca		Resistance (Ohms)	Cont	acts	Date Tested
PN-150BL (322510-003) Shelf Name	Relay Name	175 Serial Number	3FB	Condition Left	Not Tested
RACK 1C Relay Type (Drawing and/or Ca	1W-HGPR	2580256 Resistance (Ohms)	Cont	NT	Date Tested
PN-150B (N322500-701 / 4)	A1)	400	6FB		Not Tested
Shelf Name RACK 1C	Relay Name 1WB-HGR	Serial Number L840587		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4)		Resistance (Ohms) 400	6FB		Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1WB-LOR	Serial Number L808928		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 175	Cont 3FB	acts	Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 2W-LOR	Serial Number L826673		Condition Left	
Relay Type (Drawing and/or Ca PN-150BL (322510-003)	_	Resistance (Ohms)	Cont 3FB	acts	Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 2EA-LOR	Serial Number L808927		Condition Left	
Relay Type (Drawing and/or Ca PN-150BL (322510-003)	-	Resistance (Ohms) 175	Cont 3FB		Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 2E-DR	Serial Number 2580255	- ЗГВ	Condition Left	Not rested
Relay Type (Drawing and/or Ca	atalog Number)	Resistance (Ohms)	Cont 6FB	acts	Date Tested
PN-150B (N322500-701 / 4) Shelf Name	Relay Name	400 Serial Number	0-8	Condition Left	Not Tested
RACK 1C Relay Type (Drawing and/or Ca	2W-SR atalog Number)	L804655 Resistance (Ohms)	Cont	NT	Date Tested
PN-150B (N322500-701 / 4) Shelf Name	A1) Relay Name	400 Serial Number	6FB	Condition Left	Not Tested
RACK 1C	2E-ŚR	L803217		NT	Deter Tested
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4/	A1)	Resistance (Ohms) 400	6FB		Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2E-TR	Serial Number L751635		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4)		Resistance (Ohms) 400	6FB		Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-TR	Serial Number L957397		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4)		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1B	/ Relay Name 2E-HR	Serial Number L793467		Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4)	atalog Number)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2E-HPR	Serial Number L812811		Condition Left	
Relay Type (Drawing and/or Ca	atalog Number)	Resistance (Ohms)	Cont	acts	Date Tested
PN-150BSR (N322503-701 Shelf Name	Relay Name	100 Serial Number	6F-6	Condition Left	Not Tested
RACK 1B Relay Type (Drawing and/or Ca		L802385 Resistance (Ohms)	Cont		Date Tested
PN-150B (N322500-701 / 4) Shelf Name	A1) Relay Name	400 Serial Number	6FB	Condition Left	Not Tested
RACK 1B	2W-HR	L824700	0	NT	Date Task 4
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4/	A1)	Resistance (Ohms) 400	6FB		Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-HPR	Serial Number L811723		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150BSR (N322503-701		Resistance (Ohms) 100	Cont 6F-6		Date Tested Not Tested

	Relay	7 Tests (FRA 234.263, 236.106)			
Shelf Name RACK 1B	Relay Name 2W-FYR	Serial Number L793238			
elay Type (Drawing and/or Catalog Number) N-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB		Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-DR	Serial Number L793531			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-PCR	Serial Number L811696		Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Cont 6F-6		Date Tested Not Tested

### **Inspection Report - Relay Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: BABL2KX
Subdivision: BUTTE	Test Date: 07/21/2008
Milepost (with Line Segment): 4 475.20 - 475.20	State: SD
Location / Highway Name: east edgemont	
County: FALL RIVER	
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167
<b>Conditions Master Key</b> C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and co V = Visual inspection completed, condition left in compliance.	ondition left in compliance.

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NT = The equipment was not tested in this inspection. N = No inspection required. The given relay does not require inspection at this time.

Shelf Name RACK 2G	Relay Name 1E-BKR	Serial Number L803155	Condition Left	Condition Left N		
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	Catalog Number)	Resistance (Ohms)	Contacts 6FB	Date Tested		
Shelf Name RACK 2G	Relay Name 1E-TR	Serial Number L794445	Condition Left			
Relay Type (Drawing and/or C PN-150B(N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested		
Shelf Name RACK 2G	Relay Name OSTR	Serial Number L789462	Condition Left			
Relay Type (Drawing and/or C PN-150BTR (322501-702)	Catalog Number)	Resistance (Ohms) 4	Contacts 6F-6B	Date Tested		
Shelf Name RACK 2G	Relay Name OSTP-THR	Serial Number L778687	Condition Left			
Relay Type (Drawing and/or C PT-150 (322518-005)	Catalog Number)	Resistance (Ohms)	Contacts 1F-1CB	Date Tested		
Shelf Name RACK 2G	Relay Name OSTPR	Serial Number L803079	Condition Left	·		
Relay Type (Drawing and/or C PN-250B (N322554-701 / 4		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested		
Shelf Name RACK 2G	Relay Name OSTPPR	Serial Number L793461	Condition Left	·		
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Teste		
Shelf Name RACK 2G	Relay Name POR	Serial Number 1281980	Condition Left N			
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested		
Shelf Name RACK 2F	Relay Name 1W-BKR	Serial Number L793456	Condition Left N	· · · ·		
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested		
Shelf Name RACK 2F	Relay Name P-TR	Serial Number L769753	Condition Left	·		
Relay Type (Drawing and/or C PN-150BTR(322501-701)	Catalog Number)	Resistance (Ohms) 1	Contacts 6F-6B	Date Tested		
Shelf Name RACK 2F	Relay Name 1W-TR	Serial Number L753231	Condition Left	·		
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested		
Shelf Name RACK 2F	Relay Name OSA-TR	Serial Number L814380	Condition Left	1		
Relay Type (Drawing and/or C PN-150BTR (322501-702)	Catalog Number)	Resistance (Ohms) 4	Contacts 6F-6B	Date Tested		
Shelf Name RACK 2E	Relay Name 1LR	Serial Number L802432	Condition Left			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Teste		
Shelf Name RACK 2E	Relay Name 1LSR	Serial Number L793457	Condition Left			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Teste		

	Relay Tests	s (FRA 234.263, 236.106)			
Shelf Name RACK 2E	Relay Name 1E-ASR	Serial Number L803289		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	-	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 2E	Relay Name 1W-ASR	Serial Number L804645		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	-	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 2E	Relay Name 1ASPR	Serial Number L793522		Condition Left N	I
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	umber)	Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 2E	Relay Name 1TER	Serial Number L816896		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150T (322523-308)	umber)	Resistance (Ohms)	Cont 3F	acts	Date Tested
Shelf Name RACK 2D	Relay Name 1-WR	Serial Number L815449		Condition Left	
Relay Type (Drawing and/or Catalog N PP-151 (322516-001)	umber)	Resistance (Ohms) 240	Cont 6NR		Date Tested 07/21/2008
Polar Normal Pickup 0.0220 A DC	Polar Normal Working 0.0220 A DC	Polar Reverse Pickup 0.0248 A DC		Polar Reverse 0.0248 A DC	Working
Shelf Name RACK 2D	Relay Name 1-OR	Serial Number L806579		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150SO (322512-002)	umber)	Resistance (Ohms) 0.039	Cont 1B-1		Date Tested
Shelf Name RACK 2D	Relay Name 1-WRPR	Serial Number L797150		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150BM (322517-001)	umber)	Resistance (Ohms) 240	Cont 2FM		Date Tested
Shelf Name RACK 2D	Relay Name 1E-ASPR	Serial Number L796869		Condition Left N	· · · · · · · · · · · · · · · · · · ·
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	umber)	Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 2D	Relay Name 1NWCR	Serial Number L810747		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-250B (N322554-701 / 4A1)	umber)	Resistance (Ohms) 250 (500/500 parallel)	Cont 6FB·	acts -6F-3B	Date Tested
Shelf Name RACK 2D	Relay Name 1RWCR	Serial Number L803072		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-250B (N322554-701 / 4A1)	umber)	Resistance (Ohms) 250 (500/500 parallel)	Cont 6FB	acts -6F-3B	Date Tested
Shelf Name RACK 1F	Relay Name 1E-HR	Serial Number L803266		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	umber)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 1F	Relay Name 1E-PCR	Serial Number L811679		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150BSR (N322503-701 / 4A3)	umber)	Resistance (Ohms) 100	Cont 6F-6		Date Tested
Shelf Name RACK 1F	Relay Name 1E-DR	Serial Number L793251		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	umber)	Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 1F	Relay Name 1E-FYR	Serial Number L793452		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	,	Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 1F	Relay Name 2EB-LOR	Serial Number L808944		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150BL (322510-003)	-	Resistance (Ohms) 175	Cont 3FB		Date Tested
Shelf Name RACK 1F	Relay Name 1E-YYR	Serial Number L759455		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 1F	Relay Name SMKR	Serial Number 2480908		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	umber)	Resistance (Ohms) 400	Cont 6FB		Date Tested

	Relay	Tests (FRA 234.263, 236.106)		
Shelf Name RACK 1F	Relay Name EAR	Serial Number L796679		
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1F	Relay Name WAR	Serial Number L934973	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1W-YYR	Serial Number L829731	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1W-DR	Serial Number 1980590	Condition Left N	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1W-FYR	Serial Number L793853	Condition Left	I
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1EA-HGPR	Serial Number 2580202	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	, Relay Name 1W-HR	Serial Number L793438	Condition Left N	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1W-PCR	Serial Number L811661	Condition Left N	·
Relay Type (Drawing and/or O PN-150BSR (N322503-701		Resistance (Ohms) 100	Contacts 6F-6B	Date Tested
Shelf Name RACK 1E	Relay Name 2W-NWPR	Serial Number L796961	Condition Left N	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1-EOR	Serial Number B1395302	Condition Left N	
Relay Type (Drawing and/or O PN-150F (N322530-701)	Catalog Number)	Resistance (Ohms) 60	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EA-HGR	Serial Number L803286	Condition Left N	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 2		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EA-LOR	Serial Number L827406	Condition Left N	
Relay Type (Drawing and/or O PN-150BL (322510-003)	Catalog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EB-HGPR	Serial Number L793523	Condition Left N	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 2		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EB-HGR	Serial Number L793534	Condition Left	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EB-LOR	Serial Number L940894	Condition Left N	
Relay Type (Drawing and/or C PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EC-LOR	Serial Number L808982	Condition Left N	
Relay Type (Drawing and/or O PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1D	Relay Name 2E-YYR	Serial Number L765578	Condition Left N	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 2E-PCR	Serial Number L582170	Condition Left N	
Relay Type (Drawing and/or O PN-150BSR (N322503-701		Resistance (Ohms) 100	Contacts 6F-6B	Date Tested

	Relay	Tests (FRA 234.263, 236.106)		
Shelf Name RACK 1D	Relay Name 2-EOR	Serial Number B1395318	Condition Left	
Relay Type (Drawing and/or C PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 1WA-HGR	Serial Number L802365	Condition Left	I
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 1WA-LOR	Serial Number L809029	Condition Left	
Relay Type (Drawing and/or C		Resistance (Ohms)	Contacts	Date Tested
PN-150BL (322510-003) Shelf Name	Relay Name	175 Serial Number	3FB Condition Left	
RACK 1C Relay Type (Drawing and/or C	1W-HGPR atalog Number)	2580256 Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4	A1)	400	6FB	
Shelf Name RACK 1C	Relay Name 1WB-HGR	Serial Number L840587	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 1WB-LOR	Serial Number L808928	Condition Left	
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1C	Relay Name 2W-LOR	Serial Number L826673	Condition Left	
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1C	Relay Name 2EA-LOR	Serial Number L808927	Condition Left	
Relay Type (Drawing and/or C PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1C	Relay Name 2E-DR	Serial Number 2580255	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 2W-SR	Serial Number L804655	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 2E-SR	Serial Number L803217	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	, Relay Name 2E-TR	Serial Number L751635	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2W-TR	Serial Number L957397	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2E-HR	Serial Number L793467	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2E-HPR	Serial Number L812811	Condition Left	
Relay Type (Drawing and/or C PN-150BSR (N322503-701	atalog Number)	Resistance (Ohms)	Contacts 6F-6B	Date Tested
Shelf Name RACK 1B	Relay Name 2E-FYR	Serial Number L802385	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 1B Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		L824700 Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 1B Relay Type (Drawing and/or C	2W-HPR	L811723 Resistance (Ohms)	Contacts	Date Tested

	Relay Tests (FRA	234.263, 236.106)			
Shelf Name RACK 1B	Relay Name 2W-FYR	1 700000		Condition Left N	
elay Type (Drawing and/or Catalog Number) N-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Con 6FB		Date Tested
Shelf Name RACK 1B	Relay Name 2W-DR	Serial Number Condition Left L793531 N			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB		Date Tested
Shelf Name RACK 1B	Relay Name 2W-PCR	Serial Number L811696		Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Con 6F-6	tacts SB	Date Tested

## **BNSF** Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER				Asset ID: BABL2KX			
Subdivision: BUTTE			Test	Date: 07/20	0/2010		
Milepost (with Line S	Segment):	4 475.20 - 47	5.20	State	e: SD		
Location / Highway N	lame: eas	st edgemont					
County: FALL RIVE	R	-					
Employee's Name:		s (dhays)		PAR	S Number:	SINS0167	
C = Test completed, condition R = Replacements made (ident V = Visual inspection comple NT = The equipment was not to N = No inspection required.	tified in assoce ted, conditior ested in this i	viated comments), to h left in compliance inspection. Lay does not require	e	ime.	left in complianc	e.	
Shelf Name	Relay Name	neidy Tesis (F	Serial Number	<i>י</i> י	Condition Left		
RACK 2G	1E-BKR		L803155	C			
Relay Type (Drawing and/or Catalo PN-150B (N322500-701 / 4A1)	g Number)		Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/20/2010	
Neutral Dropaway 0.0065 A DC		Neutral Pickup 0.0105 A DC		Neutral Working 0.0113 A DC			
Shelf Name RACK 2G	Relay Name 1E-TR	-	Serial Number L794445	1	Condition Left		
Relay Type (Drawing and/or Catalo PN-150B (N322500-701 / 4A1)	g Number)		Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/20/2010	
Neutral Dropaway 0.0074 A DC				Neutral Working 0.0115 A DC		·	
Shelf Name RACK 2G	Relay Name OSTR	·	Serial Number L789462		Condition Left		
Relay Type (Drawing and/or Catalog PN-150BTR (322501-702)	g Number)		Resistance (Ohms) 4	Cont 6F-6	tacts B	Date Tested 07/20/2010	
Neutral Dropaway 0.0800 A DC		Neutral Pickup 0.1190 A DC		Neutral Working 0.1220 A DC			
Shelf Name	Relav Name		Serial Number		Condition Left		

()				-	-	
Neutral DropawayNeutral Pickup0.0800 A DC0.1190 A DC			Neutral Working 0.1220 A DC			
Shelf Name RACK 2G	Relay Name OSTP-THF		Serial Number L778687		Condition Left V	
Relay Type (Drawing and/or Catalog PT-150 (322518-005)	Number)		Resistance (Ohms)	Con 1F-1	<b>tacts</b> 1CB	Date Tested 07/20/2010
Shelf Name RACK 2G	Relay Name OSTPR	1	Serial Number L803079		Condition Left	
Relay Type (Drawing and/or Catalog PN-250B (N322554-701 / 4A1)	Number)		Resistance (Ohms) 250 (500/500 parallel)		tacts I-6F-3B	Date Tested 07/20/2010
Neutral Dropaway 0.0095 A DC		Neutral Pickup 0.0150 A DC			tral Working  65 A DC	
Shelf Name RACK 2G			Serial Number L793461	Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/20/2010
		Neutral Pickup 0.0114 A DC			tral Working 14 A DC	
Shelf Name RACK 2G	Relay Name POR	1	Serial Number 1281980	Condition Left		
Relay Type (Drawing and/or Catalog PN-150P (322508-702-002)	Number)		Resistance (Ohms) 240		tacts 4BHD	Date Tested 07/20/2010
Neutral Dropaway 6.3000 V AC		Neutral Pickup 9.0000 V AC			tral Working 000 V AC	
Shelf Name RACK 2F	Relay Name 1W-BKR		Serial Number L793456		Condition Left	
Relay Type (Drawing and/or Catalog PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/20/2010
Neutral Dropaway         Neutral Pickup           0.0065 A DC         0.0110 A DC				Neutral Working 0.0115 A DC		
Shelf Name         Relay Name           RACK 2F         P-TR		Serial Number L769753	Condition Left			
Relay Type (Drawing and/or Catalog PN-150BTR (322501-701)	Number)		Resistance (Ohms)	<b>Con</b> 6F-6	tacts 6B	Date Tested 07/20/2010
Neutral Dropaway         Neutral Pickup           0.1500 A DC         0.2300 A DC				tral Working 300 A DC	i	

Shelf Name	Relay Name		(FRA 234.263, 236.106) Serial Number	Co	ndition Left	
RACK 2F	1W-TR		L753231	C		
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/20/2010
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0105 A DC		Neutral 0.0105		
Shelf Name RACK 2F	Relay Name OSA-TR	e	Serial Number L814380	Co C	ndition Left	
Relay Type (Drawing and/or C PN-150BTR (322501-702)	atalog Number)		Resistance (Ohms) 4	Contacts 6F-6B	S	Date Tested 07/20/2010
Neutral Dropaway 0.0880 A DC		Neutral Pickup 0.1270 A DC		Neutral 0.1270		
Shelf Name RACK 2E	Relay Name 1LR	e	Serial Number L802432	Co C	ndition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	s	Date Tested 07/20/2010
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0120 A DC		Neutral 0.0120		
Shelf Name RACK 2E	Relay Name 1LSR	e	Serial Number L793457	Co C	ndition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	S	Date Tested 07/20/2010
Neutral Dropaway 0.0068 A DC	,	Neutral Pickup 0.0107 A DC		Neutral 0.0107		
Shelf Name RACK 2E	Relay Name 1E-ASR	e	Serial Number L803289		ndition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	S	Date Tested 07/20/2010
Neutral Dropaway 0.0072 A DC	,	Neutral Pickup 0.0115 A DC		Neutral 0.0115	- 3	
Shelf Name RACK 2E	Relay Name 1W-ASR		Serial Number L804645		ndition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	S	Date Tested 07/20/2010
Neutral Dropaway 0.0072 A DC	,	Neutral Pickup 0.0118 A DC		Neutral 0.0118		
Shelf Name RACK 2E	Relay Name 1ASPR		Serial Number L793522		ndition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	S	Date Tested 07/20/2010
Neutral Dropaway 0.0073 A DC	,	Neutral Pickup 0.0118 A DC		Neutral 0.0118		
Shelf Name RACK 2E	Relay Name		Serial Number L816896		ndition Left	
Relay Type (Drawing and/or C PN-150T (322523-308)			Resistance (Ohms)	Contacts 3F	s	Date Tested 07/20/2010
Shelf Name RACK 2D	Relay Name	e	Serial Number L815449	-	ndition Left	
Relay Type (Drawing and/or C PP-151 (322516-001)	atalog Number)		Resistance (Ohms) 240	Contacts 6NR	S	Date Tested 07/20/2010
Polar Normal Pickup 0.0248 A DC	Polar Norm 0.0248 A [		Polar Reverse Pickup 0.0225 A DC	10111	Polar Reverse 0.0225 A DC	
Shelf Name RACK 2D	Relay Name		Serial Number L806579	Co V	ndition Left	
Relay Type (Drawing and/or C PN-150SO (322512-002)			Resistance (Ohms) 0.039	Contacts 1B-1C	s	Date Tested 07/20/2010
Shelf Name RACK 2D	Relay Name 1-WRPR	e	Serial Number L797150		ndition Left	
Relay Type (Drawing and/or C PN-150BM (322517-001)			Resistance (Ohms) 240	Contacts 2FMHD		Date Tested 07/20/2010
Neutral Dropaway 0.0102 A DC		Neutral Pickup 0.0190 A DC	240		Working	0112012010
Shelf Name RACK 2D	Relay Name 1E-ASPR		Serial Number L796869		ndition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)		Resistance (Ohms) 400	Contacts 6FB	S	Date Tested 07/20/2010
Neutral Dropaway 0.0069 A DC		Neutral Pickup 0.0114 A DC		<b>Neutral</b> 0.0114		01/20/2010
Shelf Name	Relay Name		Serial Number	Co	ndition Left	
RACK 2D Relay Type (Drawing and/or C			L810747 Resistance (Ohms) 250 (500/500 parallel)	C Contacts 6FB-6F		<b>Date Tested</b> 07/20/2010
PN-250B (N322554-701 / 4						

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name RACK 2D	Relay Name 1RWCR	•	Serial Number L803072		Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)		ntacts 3-6F-3B	Date Tested 07/20/2010	
Neutral Dropaway 0.0090 A DC		Neutral Pickup 0.0150 A DC	, , , , , ,		itral Working 170 A DC	
Shelf Name RACK 1F	Relay Name		Serial Number L803266	0.0	Condition Left	
Relay Type (Drawing and/or Catalog I			Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400	Neu	tral Working	07/20/2010
0.0076 A DC Shelf Name	Relay Name	0.0124 A DC	Serial Number	0.0	124 A DC Condition Left	
RACK 1F Relay Type (Drawing and/or Catalog I	1E-PCR Number)		L811679 Resistance (Ohms)		C Itacts	Date Tested
PN-150BSR (N322503-701 / 4A3) Neutral Dropaway		Neutral Pickup	100		tral Working	07/20/2010
0.0132 A DC Shelf Name	Relay Name	0.0310 A DC	Serial Number	0.0	310 A DC Condition Left	
RACK 1F Relay Type (Drawing and/or Catalog I	1E-ĎR		L793251 Resistance (Ohms)	Con	C Intacts	Date Tested
PN-150B (N322500-701 / 4A1)		Neutral Dislam	400	6FE	3	07/20/2010
Neutral Dropaway 0.0072 A DC		Neutral Pickup 0.0113 A DC			Itral Working 113 A DC	
Shelf Name RACK 1F	Relay Name 1E-FYR	•	Serial Number L793452		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0118 A DC	·		i <b>tral Working</b> 118 A DC	
Shelf Name RACK 1F	Relay Name 2EB-LOR	•	Serial Number L808944	1	Condition Left	
Relay Type (Drawing and/or Catalog I PN-150BL (322510-003)	Number)		Resistance (Ohms)	Con 3FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0132 A DC		Neutral Pickup 0.0325 A DC			itral Working 325 A DC	
Shelf Name RACK 1F	Relay Name		Serial Number L759455	0.00	Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)			Resistance (Ohms)	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0105 A DC		Neu	t <b>ral Working</b> 105 A DC	0112012010
Shelf Name	Relay Name SMKR		Serial Number	0.0	Condition Left	
RACK 1F Relay Type (Drawing and/or Catalog I	-		2480908 Resistance (Ohms)		itacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/20/2010
0.0066 A DC Shelf Name	Relay Name	0.0114 A DC	Serial Number	0.0	114 A DC Condition Left	
RACK 1F Relay Type (Drawing and/or Catalog I	EAR Number)		L796679 Resistance (Ohms)	Con	C	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400	6FE		07/20/2010
0.0068 A DC	Polov No.	0.0114 A DC	Covial Number		114 A DC	
Shelf Name RACK 1F	Relay Name WAR		Serial Number L934973		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	6FE		Date Tested 07/20/2010
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0111 A DC			t <b>ral Working</b> 111 A DC	
Shelf Name RACK 1E	Relay Name 1W-YYR	•	Serial Number L829731		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0114 A DC			itral Working 120 A DC	1
Shelf Name RACK 1E	Relay Name		Serial Number 1980590	1	Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0113 A DC		Neu	itral Working 113 A DC	0112012010
0.0000 A DC		0.0113 A DC		0.0	I S A DC	

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name RACK 1E	Relay Name 1W-FYR	;	Serial Number L793853		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0072 A DC		Neutral Pickup 0.0115 A DC			itral Working 115 A DC	
Shelf Name RACK 1E	Relay Name	•	Serial Number 2580202	0.0	Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0065 A DC		Neutral Pickup 0.0112 A DC	400	Neu	tral Working 120 A DC	07/20/2010
Shelf Name RACK 1E	Relay Name 1W-HR		Serial Number L793438	0.0	Condition Left	
Relay Type (Drawing and/or Catalog I			Resistance (Ohms)		itacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/20/2010
0.0071 A DC Shelf Name	Relay Name	0.0116 A DC	Serial Number	0.0	120 A DC Condition Left	
RACK 1E Relay Type (Drawing and/or Catalog I	1W-PCR Number)		L811661 Resistance (Ohms)	Con	C Intacts	Date Tested
PN-150BSR (N322503-701 / 4A3) Neutral Dropaway	,	Neutral Pickup	100	6F-	6B Itral Working	07/20/2010
0.0124 A DC		0.0300 A DC			300 A DC	
Shelf Name RACK 1E	Relay Name 2W-NWPR		Serial Number L796961		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0117 A DC			i <b>tral Working</b> 117 A DC	
Shelf Name RACK 1E	Relay Name 1-EOR		Serial Number B1395302		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150F (N322530-701)	Number)		Resistance (Ohms) 60	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0300 A DC		Neutral Pickup 0.0480 A DC			tral Working 480 A DC	
Shelf Name RACK 1D	Relay Name		Serial Number L803286		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0120 A DC			itral Working 120 A DC	
Shelf Name BACK 1D	Relay Name		Serial Number L827406		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150BL (322510-003)	Number)		Resistance (Ohms)	Con 3FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0160 A DC		Neutral Pickup 0.0355 A DC		Neu	itral Working 355 A DC	
Shelf Name RACK 1D	Relay Name	)	Serial Number L793523		Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)		-	Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0069 A DC		Neutral Pickup 0.0114 A DC		Neu	tral Working 114 A DC	0.72072010
Shelf Name RACK 1D	Relay Name 1EB-HGR		Serial Number L793534	0.0	Condition Left	
Relay Type (Drawing and/or Catalog I PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0114 A DC		Neu	t <b>ral Working</b> 114 A DC	0172072010
Shelf Name RACK 1D	Relay Name		Serial Number L940894	5.5	Condition Left	
Relay Type (Drawing and/or Catalog I PN-150BL (322510-903)			Resistance (Ohms)	Con 3FE	itacts	Date Tested 07/20/2010
Neutral Dropaway 0.0142 A DC		Neutral Pickup 0.0310 A DC		Neu	t <b>ral Working</b> 310 A DC	0172072010
Shelf Name RACK 1D	Relay Name		Serial Number L808982	0.00	Condition Left	
Relay Type (Drawing and/or Catalog I			Resistance (Ohms)	Con 3FE	itacts	Date Tested
PN-150BL (322510-003) Neutral Dropaway		Neutral Pickup	175	Neu	tral Working	07/20/2010
0.0165 A DC		0.0380 A DC		0.03	380 A DC	

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name RACK 1D	Relay Name 2E-YYR	•	Serial Number L765578		Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	log Number)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0071 A DC		Neutral Pickup 0.0115 A DC	1		tral Working I21 A DC	
Shelf Name RACK 1D	Relay Name 2E-PCR		Serial Number L582170	0.01	Condition Left	
Relay Type (Drawing and/or Cata	log Number)		Resistance (Ohms)		tacts	Date Tested
PN-150BSR (N322503-701 / 4 Neutral Dropaway	FA3)	Neutral Pickup	100		tral Working	07/20/2010
0.0123 A DC Shelf Name	Relay Name	0.0300 A DC	Serial Number	0.03	300 A DC Condition Left	
RACK 1D Relay Type (Drawing and/or Cata	2-EOR		B1395318 Resistance (Ohms)		C tacts	Date Tested
PN-150F (N322530-701) Neutral Dropaway		Neutral Pickup	60	6FB	tral Working	07/20/2010
0.0300 A DC	Relay Name	0.0520 A DC	Serial Number	0.05	520 A DC	
RACK 1C Relay Type (Drawing and/or Cata	1WÁ-HGR		L802365 Resistance (Ohms)	Con	C	Date Tested
PN-150B (N322500-701 / 4A1		Neter	400	6FB	}	07/20/2010
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0120 A DC			tral Working 20 A DC	
Shelf Name RACK 1C	Relay Name 1WA-LOR	•	Serial Number L809029		Condition Left	
Relay Type (Drawing and/or Cata PN-150BL (322510-003)	log Number)		Resistance (Ohms) 175	Con 3FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0140 A DC		Neutral Pickup 0.0320 A DC			tral Working 320 A DC	
Shelf Name RACK 1C	Relay Name 1W-HGPR	•	Serial Number 2580256		Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	log Number)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0073 A DC	/	Neutral Pickup 0.0115 A DC		Neu	tral Working	
Shelf Name RACK 1C	Relay Name 1WB-HGR	•	Serial Number L840587	0.01	Condition Left	
Relay Type (Drawing and/or Cata	log Number)		Resistance (Ohms)		tacts	Date Tested
PN-150B (N322500-701 / 4A1 Neutral Dropaway	)	Neutral Pickup	400		tral Working	07/20/2010
0.0076 A DC Shelf Name	Relay Name	0.0124 A DC	Serial Number	0.01	Condition Left	
RACK 1C Relay Type (Drawing and/or Cata	1WB-LOR llog Number)		L808928 Resistance (Ohms)	Con	C tacts	Date Tested
PN-150BL (322510-003) Neutral Dropaway		Neutral Pickup	175	3FB	tral Working	07/20/2010
0.0130 A DC Shelf Name	Relay Name	0.0330 A DC	Serial Number		Condition Left	
RACK 1C	2W-LOR		L826673		C	
Relay Type (Drawing and/or Cata PN-150BL (322510-003)	liog Number)		Resistance (Ohms) 175	3FB		Date Tested 07/20/2010
Neutral Dropaway 0.0140 A DC		Neutral Pickup 0.0340 A DC			tral Working 340 A DC	
Shelf Name RACK 1C	Relay Name 2EA-LOR		Serial Number L808927		Condition Left	
Relay Type (Drawing and/or Cata PN-150BL (322510-003)	log Number)		Resistance (Ohms) 175	Con 3FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0140 A DC		Neutral Pickup 0.0320 A DC			tral Working 320 A DC	
Shelf Name RACK 1C	Relay Name 2E-DR		Serial Number 2580255		Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	log Number)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0065 A DC	1	Neutral Pickup 0.0114 A DC		Neu	tral Working	0112012010
Shelf Name	Relay Name		Serial Number	0.01	Condition Left	
RACK 1C Relay Type (Drawing and/or Cata			L804655 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1 Neutral Dropaway	)	Neutral Pickup	400		tral Working	07/20/2010
0.0064 A DC		0.0110 A DC		0.01	120 A DC	

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name RACK 1C	Relay Name 2E-SR	•	Serial Number L803217		Condition Left	
Relay Type (Drawing and/or Catal PN-150B (N322500-701 / 4A1)	og Number)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0065 A DC		Neutral Pickup 0.0112 A DC			tral Working 12 A DC	I
Shelf Name RACK 1B	Relay Name 2E-TR		Serial Number L751635		Condition Left	
Relay Type (Drawing and/or Catal PN-150B (N322500-701 / 4A1)	og Number)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0108 A DC		Neu	tral Working	01/20/2010
Shelf Name RACK 1B	Relay Name 2W-TR		Serial Number L957397	0.01	Condition Left	
Relay Type (Drawing and/or Catal PN-150B (N322500-701 / 4A1)	og Number)		Resistance (Ohms) 400	Con 6FB	tacts	<b>Date Tested</b> 07/20/2010
Neutral Dropaway 0.0064 A DC		Neutral Pickup	400	Neu	tral Working	07/20/2010
Shelf Name	Relay Name	0.0111 A DC	Serial Number	0.01	11 A DC Condition Left	
RACK 1B Relay Type (Drawing and/or Catal			L793467 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/20/2010
0.0068 A DC Shelf Name	Relay Name	0.0118 A DC	Serial Number	0.01	18 A DC Condition Left	
RACK 1B Relay Type (Drawing and/or Catal	2E-HPR		L812811 Resistance (Ohms)	Con	C tacts	Date Tested
PN-150BSR (N322503-701 / 4) Neutral Dropaway		Neutral Pickup	100	6F-6		07/20/2010
0.0120 A DC		0.0330 A DC			330 A DC	
Shelf Name RACK 1B	Relay Name 2E-FYR		Serial Number L802385		Condition Left	
Relay Type (Drawing and/or Catal PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0115 A DC			tral Working 15 A DC	
Shelf Name RACK 1B	Relay Name 2W-HR		Serial Number L824700		Condition Left	
Relay Type (Drawing and/or Catal PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0112 A DC			tral Working	
Shelf Name RACK 1B	Relay Name 2W-HPR		Serial Number L811723	1010	Condition Left	
Relay Type (Drawing and/or Catal PN-150BSR (N322503-701 / 4)	og Number)		Resistance (Ohms)	Con 6F-6	tacts	Date Tested 07/20/2010
Neutral Dropaway 0.0120 A DC	(10)	Neutral Pickup 0.0310 A DC		Neu	tral Working 310 A DC	01120/2010
Shelf Name RACK 1B	Relay Name 2W-FYR		Serial Number L793238	0.00	Condition Left	
Relay Type (Drawing and/or Catal	og Number)		Resistance (Ohms)		tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/20/2010
0.0077 A DC Shelf Name	Relay Name	0.0124 A DC	Serial Number	0.01	24 A DC Condition Left	
RACK 1B Relay Type (Drawing and/or Catal			L793531 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/20/2010
0.0073 A DC Shelf Name	Relay Name	0.0117 A DC	Serial Number	0.01	17 A DC Condition Left	
RACK 1B Relay Type (Drawing and/or Catal	2W-PCR og Number)		L811696 Resistance (Ohms)	Con	C tacts	Date Tested
PN-150BSR (N322503-701 / 4) Neutral Dropaway		Neutral Pickup	100	6F-6		07/20/2010
0.0124 A DC		0.0310 A DC			B10 A DC	

#### **Inspection Report - Relay Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: BABL2KX
Subdivision: BUTTE	Test Date: 08/25/2011
Milepost (with Line Segment): 4 475.20 - 475.20	State: SD
Location / Highway Name: east edgemont	
County: FALL RIVER	
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167
Conditions Master Key C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and con	dition left in compliance.

-R,

V = V isual inspection completed, condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. The given relay does not require inspection at this time.

	Relay To	ests (FRA 234.263, 236.106)		
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2G	1E-BKR	L803155	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tested
Shelf Name	Relay Name	Serial Number	Condition Left	·
RACK 2G	1E-TR	L794445	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tested
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2G	OSTR	L789462	NT	
Relay Type (Drawing and/or Catal	og Number)	Resistance (Ohms)	Contacts	Date Tester
PN-150BTR (322501-702)		4	6F-6B	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2G	OSTP-THR	L778687	NT	
Relay Type (Drawing and/or Catal PT-150 (322518-005)	og Number)	Resistance (Ohms)	Contacts 1F-1CB	Date Tested Not Tested
Shelf Name	Relay Name	Serial Number	Condition Left	I
RACK 2G	OSTPR	L803079	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tested
PN-250B (N322554-701 / 4A1)		250 (500/500 parallel)	6FB-6F-3B	Not Tested
Shelf Name	Relay Name	Serial Number	Condition Left	I
RACK 2G	OSTPPR	L793461	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tester
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2G	POR	1281980	NT	
Relay Type (Drawing and/or Catal	og Number)	Resistance (Ohms)	Contacts	Date Tester
PN-150P (322508-702-002)		240	4F-4BHD	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2F	1W-BKR	L793456	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tester
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2F	P-TR	L769753	NT	
Relay Type (Drawing and/or Catal	og Number)	Resistance (Ohms)	Contacts	Date Tester
PN-150BTR (322501-701)		1	6F-6B	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2F	1W-TR	L753231	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tested
Shelf Name RACK 2F	Relay Name OSA-TR	Serial Number L814380	Condition Left	
Relay Type (Drawing and/or Catal	og Number)	Resistance (Ohms)	Contacts	Date Tester
PN-150BTR (322501-702)		4	6F-6B	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2E	1LR	L802432	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tester
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tester
Shelf Name	Relay Name	Serial Number	Condition Left	
RACK 2E	1LSR	L793457	NT	
Relay Type (Drawing and/or Catal		Resistance (Ohms)	Contacts	Date Tester
PN-150B (N322500-701 / 4A1)		400	6FB	Not Tester

Shelf Name	Relay Name	Serial Number		Condition Left	
RACK 2E	1E-ÁSR	L803289		NT	
Relay Type (Drawing and/or PN-150B (N322500-701/		Resistance (Ohms) 400	6FB		Date Tested Not Tested
Shelf Name RACK 2E	Relay Name 1W-ASR	Serial Number L804645		Condition Left NT	
Relay Type (Drawing and/or PN-150B (N322500-701/		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 2E	Relay Name 1ASPR	Serial Number L793522		Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701/		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 2E	Relay Name 1TER	Serial Number L816896		Condition Left	l
Relay Type (Drawing and/or PN-150T (322523-308)	r Catalog Number)	Resistance (Ohms)	Cont 3F	tacts	Date Tester Not Tester
Shelf Name RACK 2D	Relay Name 1-WR	Serial Number L815449		Condition Left	
Relay Type (Drawing and/or PP-151 (322516-001)	r Catalog Number)	Resistance (Ohms) 240	Cont 6NF		Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1-OR	Serial Number L806579		Condition Left	
Relay Type (Drawing and/or PN-150SO (322512-002)		Resistance (Ohms) 0.039	Cont 1B-1		Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1-WRPR	Serial Number L797150		Condition Left NT	
Relay Type (Drawing and/or PN-150BM (322517-001)		Resistance (Ohms) 240	2FM		Date Tested Not Tested
Shelf Name RACK 2D	Relay Name 1E-ASPR	Serial Number L796869		Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701/		Resistance (Ohms) 400	6FB		Date Tester Not Tester
Shelf Name RACK 2D	Relay Name 1NWCR	Serial Number L810747		Condition Left NT	
Relay Type (Drawing and/or PN-250B (N322554-701)		Resistance (Ohms) 250 (500/500 parallel)		tacts -6F-3B	Date Tester Not Tester
Shelf Name RACK 2D	Relay Name 1RWCR	Serial Number L803072		Condition Left NT	
Relay Type (Drawing and/or PN-250B (N322554-701)		Resistance (Ohms) 250 (500/500 parallel)	Cont 6FB	tacts -6F-3B	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-HR	Serial Number L803266		Condition Left NT	
<b>Relay Type (Drawing and/or</b> PN-150B(N322500-701)		Resistance (Ohms) 400	6FB		Date Tester Not Tester
<b>Shelf Name</b> RACK 1F	Relay Name 1E-PCR	Serial Number L811679		Condition Left NT	
Relay Type (Drawing and/or PN-150BSR (N322503-70	01 / 4A3)	Resistance (Ohms) 100	6F-6		Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-DR	Serial Number L793251		Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Cont 6FB	tacts	Date Tested Not Tested
Shelf Name RACK 1F	Relay Name 1E-FYR	Serial Number L793452		Condition Left NT	
Relay Type (Drawing and/or PN-150B (N322500-701/	/ 4A1)	Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
<b>Shelf Name</b> RACK 1F	Relay Name SMKR	Serial Number 2480908		Condition Left NT	
Relay Type (Drawing and/or PN-150B (N322500-701 /	/ 4A1)	Resistance (Ohms) 400	Cont 6FB		Date Tester Not Tester
Shelf Name RACK 1F	Relay Name EAR	Serial Number L796679		Condition Left NT	
Relay Type (Drawing and/or PN-150B (N322500-701 /	/ 4A1)	Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1F	<b>Relay Name</b> WAR	Serial Number L934973		Condition Left NT	
Relay Type (Drawing and/or PN-150B (N322500-701 /	/ 4A1)	Resistance (Ohms) 400	Cont 6FB		Date Tester Not Tester
Shelf Name RACK 1E	Relay Name 1W-DR	Serial Number 1980590		Condition Left NT	
Relay Type (Drawing and/or PN-150B (N322500-701/		Resistance (Ohms) 400	6FB	tacts	Date Tester Not Tester

		Relay Tests	s (FRA 234.263, 236.106)			
Shelf Name RACK 1E	Relay Name 1W-FYR		Serial Number L924803		Condition Left R Mtr. Schoepf replaced relay due to high resistant contacts. Performed operational tests, no exceptions. Old Serial Number: L793853	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44			Resistance (Ohms) 400	Cont 6FB		Date Tested 08/25/2011
Neutral Dropaway 0.0067 A DC	(Ir	Neutral Pickup 0.0114 A DC	400	Neut	ral Working 14 A DC	00/23/2011
Shelf Name RACK 1E	Relay Name 1EA-HGPR		Serial Number 2580202		Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44	atalog Number)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1E	Relay Name 1W-HR		Serial Number L793438		Condition Left	I
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44	atalog Number)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1E	Relay Name		Serial Number L811661		Condition Left	
Relay Type (Drawing and/or Ca PN-150BSR (N322503-701)	atalog Number)		Resistance (Ohms)	Cont 6F-6	acts	Date Tested Not Tested
Shelf Name RACK 1E	Relay Name 2W-NWPR		Serial Number L796961		Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44	atalog Number)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1E	Relay Name 1-EOR		Serial Number B1395302		Condition Left	1
Relay Type (Drawing and/or Ca PN-150F (N322530-701)	-		Resistance (Ohms) 60	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EA-HGR		Serial Number L803286		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44			Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EA-LOR		Serial Number L827406		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150BL (322510-003)	atalog Number)		Resistance (Ohms) 175	Cont 3FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EB-HGPR		Serial Number L793523		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44			Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EB-HGR		Serial Number L793534	·	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44			Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 1EB-LOR		Serial Number L940894		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150BL (322510-903)	atalog Number)		Resistance (Ohms) 175	Cont 3FB	acts	Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 2E-PCR		Serial Number L582170		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150BSR (N322503-701			Resistance (Ohms) 100	Cont 6F-6		Date Tested Not Tested
Shelf Name RACK 1D	Relay Name 2-EOR		Serial Number B1395318		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150F (N322530-701)			Resistance (Ohms) 60	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1WA-HGR		Serial Number L802365		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 4/	A1) ´´´		Resistance (Ohms) 400	Cont 6FB		Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1WA-LOR		Serial Number L809029		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150BL (322510-003)	<b>c</b> ,		Resistance (Ohms) 175	Cont 3FB		Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1W-HGPR		Serial Number 2580256		Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-701 / 44			Resistance (Ohms) 400	Cont 6FB	acts	Date Tested Not Tested

	Relay	7 Tests (FRA 234.263, 236.106)		
Shelf Name RACK 1C	Relay Name 1WB-HGR	Serial Number L840587	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 1WB-LOR	Serial Number L808928	Condition Left	
Relay Type (Drawing and/or Cata		Resistance (Ohms)	Contacts 3FB	Date Tested Not Tested
PN-150BL (322510-003) Shelf Name RACK 1C	Relay Name 2W-LOR	175 Serial Number L826673	Condition Left	Not rested
Relay Type (Drawing and/or Cata	-	Resistance (Ohms)	Contacts 3FB	Date Tested Not Tested
PN-150BL (322510-003) Shelf Name	Relay Name	175 Serial Number	Condition Left	Not rested
RACK 1C Relay Type (Drawing and/or Cata	2EA-LOR alog Number)	L808927 Resistance (Ohms)	Contacts	Date Tested
PN-150BL (322510-003) Shelf Name	Relay Name	175 Serial Number	3FB Condition Left	Not Tested
RACK 1C Relay Type (Drawing and/or Cata	2E-DR alog Number)	2580255 Resistance (Ohms)	NT Contacts	Date Tested
PN-150B (N322500-701 / 4A1 Shelf Name		400 Serial Number	6FB Condition Left	Not Tested
RACK 1C	2W-ŚR	L804655	NT	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1		Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1C	Relay Name 2E-SR	Serial Number L803217	Condition Left NT	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1		Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2E-TR	Serial Number L751635	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-TR	Serial Number L957397	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2E-HR	Serial Number L793467	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name	Serial Number L812811	Condition Left	Not rested
Relay Type (Drawing and/or Cata	alog Number)	Resistance (Ohms)	Contacts	Date Tested
PN-150BSR (N322503-701 / 4 Shelf Name	Relay Name	100 Serial Number	6F-6B Condition Left	Not Tested
RACK 1B Relay Type (Drawing and/or Cata		L802385 Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4A1 Shelf Name	) Relay Name	400 Serial Number	6FB Condition Left	Not Tested
RACK 1B	2W-HR	L824700	NT	Data Tanta d
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	)	Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-HPR	Serial Number L811723	Condition Left	
Relay Type (Drawing and/or Cata PN-150BSR (N322503-701 / 4		Resistance (Ohms) 100	Contacts 6F-6B	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-FYR	Serial Number L793238	Condition Left NT	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A1	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name RACK 1B	Relay Name 2W-DR	Serial Number	Condition Left	
Relay Type (Drawing and/or Cata	alog Number)	Resistance (Ohms)	Contacts 6FB	Date Tested
PN-150B (N322500-701 / 4A1 Shelf Name	Relay Name	400 Serial Number	Condition Left	Not Tested
RACK 1B Relay Type (Drawing and/or Cata		L811696 Resistance (Ohms)	NT Contacts	Date Tested
PN-150BSR (N322503-701/4	4A3)	100	6F-6B	Not Tested

#### **Inspection Report - Relay Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: BABL2KX
Subdivision: BUTTE	Test Date: 07/17/2012
Milepost (with Line Segment): 4 475.20 - 475.20	State: SD
Location / Highway Name: east edgemont	
County: FALL RIVER	
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167
<b>Conditions Master Key</b> C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and con W = Winal inspection completed condition left in completed.	dition left in compliance.

V = V isual inspection completed, condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. The given relay does not require inspection at this time.

	Relay Te	ests (FRA 234.263, 236.106)		
Shelf Name RACK 2G	Relay Name 1E-BKR	Serial Number L803155	Condition Left N	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 2G	Relay Name 1E-TR	Serial Number L794445	Condition Left N	·
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 2G	Relay Name OSTR	Serial Number L789462	Condition Left	
Relay Type (Drawing and/or C PN-150BTR (322501-702)	atalog Number)	Resistance (Ohms) 4	Contacts 6F-6B	Date Teste
Shelf Name RACK 2G	Relay Name OSTP-THR	Serial Number L778687	Condition Left	
Relay Type (Drawing and/or C PT-150 (322518-005)	atalog Number)	Resistance (Ohms)	Contacts 1F-1CB	Date Tested
Shelf Name RACK 2G	Relay Name OSTPR	Serial Number L803079	Condition Left	
Relay Type (Drawing and/or C PN-250B (N322554-701 / 4		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Teste
Shelf Name RACK 2G	Relay Name OSTPPR	Serial Number L793461	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Teste
Shelf Name RACK 2G	Relay Name POR	Serial Number 1281980	Condition Left	
Relay Type (Drawing and/or C PN-150P (322508-702-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Teste
Shelf Name RACK 2F	Relay Name 1W-BKR	Serial Number L793456	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Teste
Shelf Name RACK 2F	Relay Name P-TR	Serial Number L769753	Condition Left	I
Relay Type (Drawing and/or C PN-150BTR (322501-701)	atalog Number)	Resistance (Ohms)	Contacts 6F-6B	Date Teste
Shelf Name RACK 2F	Relay Name 1W-TR	Serial Number L753231	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 2F	Relay Name OSA-TR	Serial Number L814380	Condition Left	
Relay Type (Drawing and/or C PN-150BTR (322501-702)	atalog Number)	Resistance (Ohms) 4	Contacts 6F-6B	Date Teste
Shelf Name RACK 2E	Relay Name 1LR	Serial Number L802432	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Teste
Shelf Name RACK 2E	Relay Name 1LSR	Serial Number L793457	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4		Resistance (Ohms) 400	Contacts 6FB	Date Teste

	Relay Tes	ts (FRA 234.263, 236.106)			
Shelf Name RACK 2E	Relay Name 1E-ASR	Serial Number L803289		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB		Date Tested
Shelf Name RACK 2E	Relay Name 1W-ASR	Serial Number L804645		Condition Left	<b>I</b>
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	-	Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 2E	Relay Name 1ASPR	Serial Number L793522	10.2	Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	lumber)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 2E	Relay Name 1TER	Serial Number L816896		Condition Left N	
Relay Type (Drawing and/or Catalog N PN-150T (322523-308)	lumber)	Resistance (Ohms)	Cont 3F	acts	Date Tested
Shelf Name RACK 2D	Relay Name 1-WR	Serial Number L815449		Condition Left	I
Relay Type (Drawing and/or Catalog N PP-151 (322516-001)	lumber)	Resistance (Ohms) 240	Cont 6NR		Date Tested 07/17/2012
Polar Normal Pickup 0.0247 A DC	Polar Normal Working 0.0247 A DC	Polar Reverse Pickup 0.0224 A DC		Polar Reverse 0.0224 A DC	Working
Shelf Name RACK 2D	Relay Name 1-OR	Serial Number L806579		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150SO (322512-002)	lumber)	Resistance (Ohms) 0.039	Cont 1B-1		Date Tested
Shelf Name RACK 2D	Relay Name 1-WRPR	Serial Number L797150		Condition Left	L
Relay Type (Drawing and/or Catalog N PN-150BM (322517-001)	lumber)	Resistance (Ohms) 240	Cont 2FM		Date Tested
Shelf Name RACK 2D	Relay Name 1E-ASPR	Serial Number L796869		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 2D	Relay Name 1NWCR	Serial Number L810747	1	Condition Left	
Relay Type (Drawing and/or Catalog N PN-250B (N322554-701 / 4A1)	lumber)	Resistance (Ohms) 250 (500/500 parallel)	Cont 6FB	acts -6F-3B	Date Tested
Shelf Name RACK 2D	Relay Name 1RWCR	Serial Number L803072	-	Condition Left	I
Relay Type (Drawing and/or Catalog N PN-250B (N322554-701 / 4A1)	lumber)	Resistance (Ohms) 250 (500/500 parallel)	Cont 6FB	acts -6F-3B	Date Tested
Shelf Name RACK 1F	Relay Name 1E-HR	Serial Number L803266		Condition Left	L
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)	lumber)	Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 1F	Relay Name 1E-PCR	Serial Number L811679		Condition Left	I
Relay Type (Drawing and/or Catalog N PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms)	Cont 6F-6		Date Tested
Shelf Name RACK 1F	Relay Name 1E-DR	Serial Number L793251		Condition Left	L
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB		Date Tested
Shelf Name RACK 1F	Relay Name 1E-FYR	Serial Number L793452		Condition Left	I
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 1F	Relay Name SMKR	Serial Number 2480908		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 1F	Relay Name EAR	Serial Number L796679	1	Condition Left	1
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Cont 6FB	acts	Date Tested
Shelf Name RACK 1F	Relay Name WAR	Serial Number L934973		Condition Left	
Relay Type (Drawing and/or Catalog N PN-150B (N322500-701 / 4A1)		Resistance (Ohms)	Cont 6FB	acts	Date Tested

	Relay	Tests (FRA 234.263, 236.106)		
Shelf Name RACK 1E	Relay Name 1W-DR	Serial Number Condition Left 1980590 N		
Relay Type (Drawing and/or PN-150B (N322500-701)	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name	Serial Number L924803	Condition Left	1
Relay Type (Drawing and/or PN-150B (N322500-701)	Catalog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1EA-HGPR	Serial Number 2580202	Condition Left	1
Relay Type (Drawing and/or	Catalog Number)	Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701) Shelf Name	Relay Name	400 Serial Number	6FB Condition Left	
RACK 1E Relay Type (Drawing and/or	1W-HR	L793438 Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701	(4A1)	400	6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1W-PCR	Serial Number L811661	Condition Left	
Relay Type (Drawing and/or PN-150BSR (N322503-7		Resistance (Ohms) 100	Contacts 6F-6B	Date Tested
Shelf Name RACK 1E	Relay Name 2W-NWPR	Serial Number L796961	Condition Left	·
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1E	Relay Name 1-EOR	Serial Number B1395302	Condition Left	I
Relay Type (Drawing and/or PN-150F (N322530-701)	Catalog Number)	Resistance (Ohms) 60	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EA-HGR	Serial Number L803286	Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EA-LOR	Serial Number L827406	Condition Left	I
Relay Type (Drawing and/or PN-150BL (322510-003)	Catalog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EB-HGPR	Serial Number L793523	Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EB-HGR	Serial Number L793534	Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1D	Relay Name 1EB-LOR	Serial Number L940894	Condition Left	
Relay Type (Drawing and/or PN-150BL (322510-903)	Catalog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1D	Relay Name 2E-PCR	Serial Number L582170	Condition Left	
Relay Type (Drawing and/or PN-150BSR (N322503-7		Resistance (Ohms) 100	Contacts 6F-6B	Date Tested
Shelf Name RACK 1D	Relay Name 2-EOR	Serial Number B1395318	Condition Left	
Relay Type (Drawing and/or PN-150F (N322530-701)	Catalog Number)	Resistance (Ohms) 60	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 1WA-HGR	Serial Number L802365	Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 1WA-LOR	Serial Number L809029	Condition Left N	
Relay Type (Drawing and/or PN-150BL (322510-003)	Catalog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1C	Relay Name 1W-HGPR	Serial Number 2580256	Condition Left	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 1WB-HGR	Serial Number L840587	Condition Left N	
Relay Type (Drawing and/or PN-150B (N322500-701)		Resistance (Ohms) 400	Contacts 6FB	Date Tested

	Relay	Tests (FRA 234.263, 236.106)		
Shelf Name RACK 1C	Relay Name 1WB-LOR	Serial Number L808928	Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms)	Contacts 3FB	Date Tested
Shelf Name	Relay Name	175 Serial Number	Condition Left	
RACK 1C 2W-LOR Relay Type (Drawing and/or Catalog Number)		L826673 Resistance (Ohms)	Contacts	Date Tested
PN-150BL (322510-003) Shelf Name	Relay Name	175 Serial Number	3FB Condition Left	
RACK 1C	2EA-LOR	L808927	N	1
Relay Type (Drawing and/or Cat PN-150BL (322510-003)	alog Number)	Resistance (Ohms) 175	Contacts 3FB	Date Tested
Shelf Name RACK 1C	Relay Name 2E-DR	Serial Number 2580255	Condition Left N	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 2W-SR	Serial Number L804655	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1C	Relay Name 2E-SR	Serial Number L803217	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2E-TR	Serial Number L751635	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2W-TR	Serial Number L957397	Condition Left	I
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2E-HR	Serial Number L793467	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2E-HPR	Serial Number	Condition Left	I
Relay Type (Drawing and/or Cat PN-150BSR (N322503-701 /	alog Number)	Resistance (Ohms)	Contacts 6F-6B	Date Tested
Shelf Name RACK 1B	Relay Name	Serial Number	Condition Left	
Relay Type (Drawing and/or Cat	alog Number)	L802385 Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4A Shelf Name	Relay Name	400 Serial Number	6FB Condition Left	
RACK 1B Relay Type (Drawing and/or Cat	2W-HR alog Number)	L824700 Resistance (Ohms)	Contacts	Date Tested
PN-150B (N322500-701 / 4A	1)	400	6FB Condition Left	
Shelf Name RACK 1B	Relay Name 2W-HPR	Serial Number L811723	N	
Relay Type (Drawing and/or Cat PN-150BSR (N322503-701 /		Resistance (Ohms) 100	Contacts 6F-6B	Date Tested
Shelf Name RACK 1B	Relay Name 2W-FYR	Serial Number L793238	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2W-DR	Serial Number L793531	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (N322500-701 / 4A	alog Number)	Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name RACK 1B	Relay Name 2W-PCR	Serial Number	Condition Left	
Relay Type (Drawing and/or Cat		Resistance (Ohms)	Contacts 6F-6B	Date Tested

## **BNSF** Inspection Report - Relay Tests & Inspections

<b>Division:</b> POWDER	RIVER			Asse	et ID: BABL2KX		
Subdivision: BUTTE				Test Date: 07/08/2014			
Milepost (with Line Se	egment):	4 475.20 - 47	75.20	State	e: SD		
Location / Highway N	ame: ea	st edgemont					
County: FALL RIVER	7						
Employee's Name:	Daryll Hay:	s (dhays)		PAR	S Number: SIN	S0167	
<pre>R = Replacements made (ident: V = Visual inspection complet NT = The equipment was not tes N = No inspection required.</pre>	ted, condition sted in this i	a left in compliance nspection. ay does not requir	ce.	ime.	lert in compliance.		
Shelf Name RACK 2G	Relay Name 1E-BKR		Serial Number L803155	/	Condition Left		
Relay Type (Drawing and/or Catalog PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/08/2014	
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0104 A DC	1		tral Working 12 A DC		
Shelf Name RACK 2G	Relay Name 1E-TR		Serial Number L794445		Condition Left		
Relay Type (Drawing and/or Catalog PN-150B (N322500-701 / 4A1)	Number)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/08/2014	
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0112 A DC			tral Working 12 A DC		
Shelf Name RACK 2G	Relay Name OSTR		Serial Number L789462				
Relay Type (Drawing and/or Catalog PN-150BTR (322501-702)	Number)		Resistance (Ohms) 4	Con 6F-6	tacts 6B	Date Tested 07/08/2014	
Neutral Dropaway 0.0780 A DC		Neutral Pickup 0.1140 A DC			tral Working 220 A DC		
Shelf Name	Belay Name		Serial Number		Condition Left		

PN-150BTR (322501-702)			4	6F-6B		07/08/2014	
		Neutral Pickup 0.1140 A DC			Neutral Working 0.1220 A DC		
Shelf Name RACK 2G	Relay Name OSTP-THR		Serial Number L778687		Condition Left		
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-005)			Resistance (Ohms)	Con 1F-1	tacts ICB	Date Tested 07/08/2014	
Shelf Name RACK 2G	Relay Name OSTPR		Serial Number Condition Left L803079 C				
Relay Type (Drawing and/or Catalog Nu PN-250B (N322554-701 / 4A1)	imber)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B		Date Tested 07/08/2014	
Neutral Dropaway 0.0095 A DC		Neutral Pickup 0.0146 A DC			t <b>ral Working</b> 64 A DC		
Shelf Name RACK 2G	Relay Name OSTPPR		Serial Number L793461				
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014	
		Neutral Pickup 0.0108 A DC			t <b>ral Working</b> 08 A DC		
Shelf Name RACK 2G	Relay Name POR	•	Serial Number 1281980		Condition Left C		
Relay Type (Drawing and/or Catalog Nu PN-150P (322508-702-002)	imber)		Resistance (Ohms) 240	Contacts 4F-4BHD		Date Tested 07/08/2014	
Neutral Dropaway 6.8000 V AC		Neutral Pickup 8.9500 V AC			t <b>ral Working</b> 500 V AC		
Shelf Name RACK 2F	Relay Name 1W-BKR		Serial Number L793456		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	imber)		Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014	
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0110 A DC			t <b>ral Working</b> 10 A DC		
Shelf Name RACK 2F	Relay Name P-TR		Serial Number L769753		Condition Left C		
Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-701)	imber)		Resistance (Ohms)	Con 6F-6	tacts BB	Date Tested 07/08/2014	
Neutral Dropaway Neutral Pic		Neutral Pickup 0.2280 A DC			t <b>ral Working</b> 280 A DC	·	

Shelf Name	Relay Nam		(FRA 234.263, 236.106) Serial Number	Con	dition Left	
RACK 2F	1W-TR	<b></b>	L753231	C		·
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0106 A DC		Neutral W 0.0106 A		
Shelf Name RACK 2F	Relay Nam OSA-TR	e	Serial Number L814380	Con C	dition Left	
Relay Type (Drawing and/or O PN-150BTR (322501-702)	Catalog Number)		Resistance (Ohms) 4	Contacts 6F-6B		Date Tested 07/08/2014
Neutral Dropaway 0.0850 A DC		Neutral Pickup 0.1240 A DC		Neutral W 0.1240 A		
Shelf Name RACK 2E	Relay Nam 1LR	e	Serial Number L802432	Con	dition Left	
Relay Type (Drawing and/or ( PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0115 A DC		Neutral W 0.0115 A		
Shelf Name RACK 2E	Relay Nam 1LSR		Serial Number L793457		dition Left	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4	Catalog Number)		Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0068 A DC	/	Neutral Pickup 0.0108 A DC		Neutral W 0.0108 A		
Shelf Name RACK 2E	Relay Nam 1E-ASR		Serial Number L803289		dition Left	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0070 A DC	,	Neutral Pickup 0.0112 A DC		Neutral W 0.0112 A	- 3	100000
Shelf Name RACK 2E	Relay Nam 1W-ASR		Serial Number L804645		dition Left	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0070 A DC	,	Neutral Pickup 0.0115 A DC		Neutral W 0.0115 A		
Shelf Name RACK 2E	Relay Nam 1ASPR		Serial Number L793522	Con	dition Left	
Relay Type (Drawing and/or O PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0072 A DC		Neutral Pickup 0.0114 A DC		Neutral W 0.0114 A		I
Shelf Name RACK 2E	Relay Nam 1TER	e	Serial Number L816896	Con	dition Left	
Relay Type (Drawing and/or ( PN-150T (322523-308)			Resistance (Ohms)	Contacts 3F		Date Tested 07/08/2014
Shelf Name RACK 2D	Relay Nam 1-WR	e	Serial Number L815449	-	dition Left	
Relay Type (Drawing and/or 0 PP-151 (322516-001)	Catalog Number)		Resistance (Ohms) 240	Contacts 6NR		Date Tested 07/08/2014
Polar Normal Pickup 0.0240 A DC	Polar Norm 0.0240 A	al Working	Polar Reverse Pickup 0.0220 A DC		Polar Reverse 0.0220 A DC	Working
Shelf Name RACK 2D	Relay Nam 1-OR		Serial Number L806579	Con V	dition Left	
Relay Type (Drawing and/or O PN-150SO (322512-002)			Resistance (Ohms) 0.039	Contacts		Date Tested 07/08/2014
Shelf Name RACK 2D	Relay Nam 1-WRPR	e	Serial Number L797150		dition Left	
Relay Type (Drawing and/or ( PN-150BM (322517-001)			Resistance (Ohms)	Contacts 2FMHD		Date Tested 07/08/2014
Neutral Dropaway 0.0101 A DC		Neutral Pickup 0.0190 A DC		Neutral W 0.0190 A		
Shelf Name RACK 2D	Relay Nam 1E-ASPR		Serial Number L796869		dition Left	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB		Date Tested 07/08/2014
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0120 A DC		Neutral W 0.0120 A		01/00/2014
Shelf Name RACK 2D	Relay Nam 1NWCR		Serial Number L810747		dition Left	
Relay Type (Drawing and/or 0	Catalog Number)		Resistance (Ohms) 250 (500/500 parallel)	Contacts	3B	<b>Date Tested</b> 07/08/2014
PN-250B (N322554-701 / 4A1) Neutral Dropaway Neutral Pickup				11.1	10//00/2014	

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name RACK 2D	Relay Name 1RWCR	•	Serial Number L803072		Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)			Resistance (Ohms) 250 (500/500 parallel)		itacts 3-6F-3B	Date Tested 07/08/2014
Neutral Dropaway 0.0090 A DC		Neutral Pickup 0.0150 A DC			tral Working 168 A DC	
Shelf Name RACK 1F	Relay Name 1E-HR		Serial Number L803266	0.0	Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014	
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0120 A DC		Neu	tral Working 120 A DC	01/00/2014
Shelf Name RACK 1F	Relay Name		Serial Number L811679	0.0	Condition Left	
Relay Type (Drawing and/or Catalog PN-150BSR (N322503-701 / 4A3	Number)		Resistance (Ohms)	Con 6F-	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0130 A DC	)	Neutral Pickup 0.0290 A DC		Neu	tral Working 290 A DC	07/00/2014
Shelf Name RACK 1F	Relay Name 1E-DR		Serial Number L793251	0.02	Condition Left	
Relay Type (Drawing and/or Catalog PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0072 A DC		Neutral Pickup 0.0109 A DC	400	Neu	tral Working 109 A DC	07/00/2014
Shelf Name RACK 1F	Relay Name		Serial Number L793452	0.0	Condition Left	
Relay Type (Drawing and/or Catalog PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0072 A DC		Neutral Pickup 0.0115 A DC	400	Neu	tral Working 115 A DC	07/00/2014
Shelf Name RACK 1F	Relay Name SMKR		Serial Number 2480908	0.0	Condition Left	
Relay Type (Drawing and/or Catalog PN-150B (N322500-701 / 4A1)	-		Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0066 A DC		Neutral Pickup	400	Neu	tral Working	07/08/2014
Shelf Name	Relay Name	0.0112 A DC	Serial Number	0.0	112 A DC Condition Left	
RACK 1F Relay Type (Drawing and/or Catalog	EAR Number)		L796679 Resistance (Ohms)		C Itacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway 0.0070 A DC		Neutral Pickup	400 6FB Neutral Working 0.0110 A DC		tral Working	07/08/2014
Shelf Name	Relay Name	0.0110 A DC	Serial Number	0.0	Condition Left	
RACK 1F Relay Type (Drawing and/or Catalog	WAR Number)		L934973 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/08/2014
0.0062 A DC Shelf Name	Relay Name	0.0108 A DC	Serial Number	0.0	108 A DC Condition Left	
RACK 1E Relay Type (Drawing and/or Catalog	1W-DR Number)		1980590 Resistance (Ohms)		C Itacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/08/2014
0.0068 A DC Shelf Name	Relay Name	0.0111 A DC	Serial Number	0.0	111 A DC Condition Left	
RACK 1E Relay Type (Drawing and/or Catalog	1W-FYR Number)		L924803 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/08/2014
0.0066 A DC Shelf Name	Relay Name		Serial Number	0.0	112 A DC Condition Left	
RACK 1E Relay Type (Drawing and/or Catalog	1EA-HGPF Number)	1	2580202 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/08/2014
0.0064 A DC Shelf Name	Relay Name	0.0110 A DC	Serial Number	0.0	120 A DC Condition Left	
RACK 1E Relay Type (Drawing and/or Catalog	1W-HR Number)		L793438 Resistance (Ohms)		C tacts	Date Tested
PN-150B (N322500-701 / 4A1) Neutral Dropaway		Neutral Pickup	400		tral Working	07/08/2014
0.0070 A DC		0.0115 A DC		0.0	115 A DC	

		Relay Tests	(FRA 234.263, 236.106)		
Shelf Name RACK 1E	Relay Name 1W-PCR		Serial Number	Condition Left	
Relay Type (Drawing and/or Cata	Relay Type (Drawing and/or Catalog Number) N-150BSR (N322503-701 / 4A3)		Resistance (Ohms)	Contacts 6F-6B	Date Tested 07/08/2014
Neutral Dropaway 0.0120 A DC	Neutral Pickup 0.0280 A DC		1	Neutral Working 0.0280 A DC	
Shelf Name	Relay Name	•	Serial Number	Condition Left	
RACK 1E Relay Type (Drawing and/or Cata	2W-NWPR alog Number)		L796961 Resistance (Ohms)	C Contacts	Date Tested
PN-150B (N322500-701 / 4A Neutral Dropaway		Neutral Pickup	400	6FB Neutral Working	07/08/2014
0.0075 A DC	I	0.0118 A DC	1	0.0118 A DC	
Shelf Name RACK 1E	Relay Name 1-EOR	)	Serial Number B1395302	Condition Left	
Relay Type (Drawing and/or Cata PN-150F (N322530-701)	alog Number)		Resistance (Ohms) 60	Contacts 6FB	<b>Date Tested</b> 07/08/2014
Neutral Dropaway 0.0295 A DC		Neutral Pickup 0.0480 A DC		Neutral Working 0.0480 A DC	
Shelf Name	Relay Name		Serial Number	Condition Left	
RACK 1D Relay Type (Drawing and/or Cata	1EA-HGR alog Number)		L803286 Resistance (Ohms)	C Contacts	Date Tested
PN-150B (N322500-701 / 4A1 Neutral Dropaway		Neutral Pickup	400	6FB Neutral Working	07/08/2014
0.0075 A DC		0.0119 A DC		0.0119 A DC	
Shelf Name RACK 1D	Relay Name 1EA-LOR		Serial Number L827406	Condition Left	
Relay Type (Drawing and/or Cata PN-150BL (322510-003)	alog Number)		Resistance (Ohms) 175	Contacts 3FB	Date Tested 07/08/2014
Neutral Dropaway		Neutral Pickup		Neutral Working	
0.0160 A DC Shelf Name	Relay Name		Serial Number	0.0352 A DC Condition Left	
RACK 1D Relay Type (Drawing and/or Cata	1EB-HGPF alog Number)	{	L793523 Resistance (Ohms)	C Contacts	Date Tested
PN-150B (N322500-701 / 4A		Neutral Distant	400	6FB	07/08/2014
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0110 A DC		Neutral Working 0.0110 A DC	
Shelf Name RACK 1D	Relay Name 1EB-HGR	•	Serial Number L793534	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A			Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/08/2014
Neutral Dropaway	')	Neutral Pickup	100	Neutral Working	01/00/2014
0.0072 A DC Shelf Name	Relay Name	0.0108 A DC	Serial Number	0.0108 A DC Condition Left	
RACK 1D Relay Type (Drawing and/or Cata	1EB-LOR alog Number)		L940894 Resistance (Ohms)	C Contacts	Date Tested
PN-150BL (322510-903)		No. In Distance	175	3FB	07/08/2014
Neutral Dropaway 0.0145 A DC		Neutral Pickup 0.0300 A DC		Neutral Working 0.0300 A DC	
Shelf Name RACK 1D	Relay Name 2E-PCR	•	Serial Number L582170	Condition Left	
Relay Type (Drawing and/or Cata PN-150BSR (N322503-701/			Resistance (Ohms)	Contacts 6F-6B	Date Tested 07/08/2014
Neutral Dropaway 0.0125 A DC		Neutral Pickup 0.0280 A DC		Neutral Working 0.0280 A DC	07/00/2014
Shelf Name	Relay Name		Serial Number	Condition Left	
RACK 1D Relay Type (Drawing and/or Cata	2-EOR alog Number)		B1395318 Resistance (Ohms)	C Contacts	Date Tested
PN-150F (N322530-701)		Noutral Diskur	60	6FB	07/08/2014
Neutral Dropaway 0.0290 A DC		Neutral Pickup 0.0520 A DC		Neutral Working 0.0520 A DC	
Shelf Name RACK 1C	Relay Name 1WA-HGR		Serial Number L802365	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (N322500-701 / 4A			Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/08/2014
Neutral Dropaway	• /	Neutral Pickup		Neutral Working	1 07/00/2014
0.0076 A DC Shelf Name	Relay Name	0.0114 A DC	Serial Number	0.0114 A DC Condition Left	
RACK 1C Relay Type (Drawing and/or Cata	1WÁ-LOR		L809029 Resistance (Ohms)	C Contacts	Date Tested
PN-150BL (322510-003)		Neutral D'at	175	3FB	07/08/2014
Neutral Dropaway 0.0135 A DC		Neutral Pickup 0.0310 A DC		Neutral Working 0.0310 A DC	

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name RACK 1C	Relay Name 1W-HGPR				Condition Left	
Relay Type (Drawing and/or C	elay Type (Drawing and/or Catalog Number) N-150B (N322500-701 / 4A1)		2580256 Resistance (Ohms) 400	Con 6FE	tacts	<b>Date Tested</b> 07/08/2014
Neutral Dropaway 0.0070 A DC	Neutral Pickup				tral Working 120 A DC	
Shelf Name	Relay Name	)	Serial Number	0.0	Condition Left	
RACK 1C Relay Type (Drawing and/or C	1WB-HGR atalog Number)		L840587 Resistance (Ohms)	Con	C tacts	Date Tested
PN-150B (N322500-701 / 4		No. 1 Photos	400	6FE	}	07/08/2014
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0122 A DC			tral Working 122 A DC	
Shelf Name RACK 1C	Relay Name 1WB-LOR	9	Serial Number L808928		Condition Left	
Relay Type (Drawing and/or Control PN-150BL (322510-003)	atalog Number)		Resistance (Ohms) 175	Con 3FE	tacts	Date Tested 07/08/2014
Neutral Dropaway		Neutral Pickup	170	Neu	tral Working	01/00/2014
0.0128 A DC Shelf Name	Relay Name	0.0322 A DC	Serial Number	0.03	322 A DC Condition Left	
RACK 1C	2W-LOR		L826673	Con	C	Date Tested
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog NullDer)		Resistance (Ohms) 175	3FE	}	07/08/2014
Neutral Dropaway 0.0145 A DC		Neutral Pickup 0.0320 A DC			tral Working 320 A DC	
Shelf Name RACK 1C	Relay Name 2EA-LOR	)	Serial Number L808927	I	Condition Left	
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)		Resistance (Ohms) 175	Con 3FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0130 A DC		Neutral Pickup 0.0315 A DC	I		tral Working 315 A DC	
Shelf Name RACK 1C	Relay Name 2E-DR		Serial Number 2580255	0.00	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)		Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0064 A DC	/	Neutral Pickup 0.0108 A DC			tral Working 116 A DC	
Shelf Name RACK 1C	Relay Name 2W-SR	•	Serial Number L804655		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0065 A DC	,	Neutral Pickup 0.0106 A DC			tral Working 118 A DC	I
Shelf Name RACK 1C	Relay Name 2E-SR	)	Serial Number L803217		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0064 A DC	·	Neutral Pickup 0.0109 A DC			tral Working 109 A DC	
Shelf Name RACK 1B	Relay Name 2E-TR	)	Serial Number L751635		Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0066 A DC	,	Neutral Pickup 0.0106 A DC		Neu	tral Working	
Shelf Name RACK 1B	Relay Name 2W-TR		Serial Number L957397	10.0	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)		Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0065 A DC	,	Neutral Pickup 0.0112 A DC		Neu	tral Working 112 A DC	
Shelf Name RACK 1B	Relay Name 2E-HR		Serial Number L793467	5.5	Condition Left	
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4	atalog Number)		Resistance (Ohms) 400	Con 6FE	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0068 A DC	,	Neutral Pickup 0.0116 A DC		Neu	tral Working	
Shelf Name RACK 1B	Relay Name 2E-HPR		Serial Number L812811	1.0	Condition Left	
Relay Type (Drawing and/or C PN-150BSR (N322503-701	atalog Number)		Resistance (Ohms) 100	Con 6F-0	tacts	Date Tested 07/08/2014
Neutral Dropaway 0.0115 A DC	-,	Neutral Pickup 0.0310 A DC		Neu	tral Working 310 A DC	
0.0110 A DO		0.0010 A DO		0.00		

		Relay Tests (FF	RA 234.263, 236.106)				
Shelf Name RACK 1B	Relay Name 2E-FYR		Serial Number L802385			Condition Left C	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	mber)		Resistance (Ohms) 400	Con 6FE	tacts		e <b>Tested</b> 08/2014
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0112 A DC			tral Working 112 A DC		
Shelf Name RACK 1B	Relay Name 2W-HR		Serial Number L824700		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	mber)		Resistance (Ohms) 400	Con 6FE	tacts		e <b>Tested</b> 08/2014
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0106 A DC			tral Working 106 A DC		
Shelf Name RACK 1B	Relay Name 2W-HPR		Serial Number L811723		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150BSR (N322503-701 / 4A3)	mber)		Resistance (Ohms) 100	Con 6F-	tacts 6B		<b>Tested</b> 08/2014
Neutral Dropaway 0.0118 A DC		Neutral Pickup 0.0285 A DC			<b>tral Working</b> 285 A DC	· · ·	
Shelf Name RACK 1B	Relay Name 2W-FYR		Serial Number L793238		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	mber)		Resistance (Ohms) 400	Con 6FE	tacts		<b>Tested</b> 08/2014
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0122 A DC			tral Working 122 A DC	· · · ·	
Shelf Name RACK 1B	Relay Name 2W-DR		Serial Number L793531		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	mber)		Resistance (Ohms) 400	Con 6FE	tacts		<b>Tested</b> 08/2014
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0114 A DC			tral Working 114 A DC	· · ·	
Shelf Name RACK 1B	Relay Name 2W-PCR	·	Serial Number L811696		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150BSR (N322503-701 / 4A3)	mber)		Resistance (Ohms) 100	Con 6F-	tacts 6B		<b>Tested</b> 08/2014
Neutral Dropaway 0.0116 A DC		Neutral Pickup 0.0290 A DC			tral Working 290 A DC	·	



# Inspection Report Relay Tests & Inspections

Division: POWDER RIVER Subdivision: BUTTE Milepost: 4 475.20 - 475.20 Location: east edgemont County: FALL RIVER Employee's Name: Robin Freeze Asset ID: BABL2KX Test Date: 07/05/2016 State: SD

# PARS Number: SINS0167

## **Conditions Key**

C = Test completed, condition left in compliance.

R = Replacements made (identified in associated comments), test completed, and condition left in compliance.

V = Visual inspection completed, condition left in compliance.

 $\mathsf{NT}~$  = The equipment was not tested in this inspection

N = No inspection required. The given relay does not require inspection at this time.

		Re	lay Tests (FR	A 234.263, 236.106)	
Shelf Name RACK 2G	Relay Name 1E-BKR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L803155		<b>g/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 2G	Relay Name 1E-TR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L794445		g/Catalog No.) 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 2G	Relay Name OSTR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150BTR (322501-702)	<b>Serial No.</b> L789462	Type (Drawin PN-150BTR (32	g/Catalog No.) 22501-702)	Resistance 4	Contacts 6F-6B
Shelf Name RACK 2G	Relay Name OSTP-THR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PT-150 (322518-005)	<b>Serial No.</b> L778687	<b>Type (Drawin</b> PT-150 (32251	g/Catalog No.) 8-005)		
Shelf Name RACK 2G	Relay Name OSTPR	Tested 0	Condition N		
<b>Relay</b> PN-250B (N322554-701 / 4A1)	<b>Serial No.</b> L803079		<b>g/Catalog No.)</b> 2554-701 / 4A1)	Resistance 250 (500/500 parallel)	Contacts 6FB-6F-3B
Shelf Name RACK 2G	Relay Name OSTPPR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793461		<b>g/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 2G	Relay Name POR	<b>Tested</b> 0	Condition N		· · · ·
<b>Relay</b> PN-150P (322508-702-002	Serial No. 1281980	Type (Drawin PN-150P (322	ng/Catalog No.) 508-702-002)	Resistance 240	Contacts 4F-4BHD

Shelf Name RACK 2F	Relay Name 1W-BKR	<b>Tested</b> 0	<b>Condition</b> N				
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793456	Type (Drawing/ PN-150B (N32250		Resistar 400	nce		Contacts 6FB
Shelf Name RACK 2F	Relay Name P-TR	Tested 0	Condition N				
<b>Relay</b> PN-150BTR (322501-701)	<b>Serial No.</b> L769753	Type (Drawing/ PN-150BTR (3225		Resista 1	nce		<b>Contacts</b> 6F-6B
Shelf Name RACK 2F	Relay Name 1W-TR	Tested 0	Condition N				
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L753231	Type (Drawing/ PN-150B (N32250		Resistar 400	nce		Contacts 6FB
Shelf Name RACK 2F	Relay Name OSA-TR	Tested 0	Condition N				
<b>Relay</b> PN-150BTR (322501-702)	<b>Serial No.</b> L814380	Type (Drawing/ PN-150BTR (3225		<b>Resista</b> 4	nce		<b>Contacts</b> 6F-6B
Shelf Name RACK 2E	Relay Name	Tested 0	Condition N				·
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L802432	Type (Drawing/ PN-150B (N32250			Contacts 6FB		
Shelf Name RACK 2E	Relay Name	<b>Tested</b> 0	Condition N				•
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793457	Type (Drawing/ PN-150B (N32250		<b>Resista</b> 400	nce		Contacts 6FB
Shelf Name RACK 2E	Relay Name 1E-ASR	Tested 0	Condition N				·
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L803289	Type (Drawing/ PN-150B (N32250		<b>Resista</b> 400	nce		Contacts 6FB
Shelf Name RACK 2E	Relay Name 1W-ASR	<b>Tested</b> 0	Condition N				
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L804645	Type (Drawing/ PN-150B (N32250	<b>Catalog No.)</b> 00-701 / 4A1)	<b>Resista</b> 400	nce		Contacts 6FB
Shelf Name RACK 2E	Relay Name 1ASPR	Tested 0	Condition N				·
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793522	Type (Drawing/ PN-150B (N32250		Resistar 400	nce		Contacts 6FB
Shelf Name RACK 2E	Relay Name 1TER	<b>Tested</b> 0	Condition N				
<b>Relay</b> PN-150T (322523-308)	<b>Serial No.</b> L816896	<b>Type (Drawing</b> / PN-150T (322523		Resista	nce		Contacts 3F
Shelf Name RACK 2D	Relay Name 1-WR	<b>Tested</b> 07/05/2016	Condition				
Relay PP-151	<b>Serial No.</b> L815449	<b>Type (Drawing/</b> PP-151 (322516-0		<b>sistance</b>		Contacts 6NR	
(322516-001)	Polar Normal F 0.0239 A DC	lickup	Polar Normal W 0.0239 A DC	/orking	Polar Rever		Polar Reverse Working 0.0219 A DC
Shelf Name RACK 2D	Relay Name 1-OR	<b>Tested</b> 0	<b>Condition</b> N				
<b>Relay</b> PN-150SO (322512-002)	<b>Serial No.</b> L806579	<b>Type (Drawing</b> / PN-150SO (32252		Resistar 0.039	nce		Contacts 1B-1C

Shelf Name RACK 2D	Relay Name 1-WRPR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150BM (322517-001)	<b>Serial No.</b> L797150	Type (Drawin PN-150BM (32	<b>ng/Catalog No.)</b> 2517-001)	Resistance 240	Contacts 2FMHD
Shelf Name RACK 2D	Relay Name 1E-ASPR	<b>Tested</b> 0	Condition N		·
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L796869		<b>ng/Catalog No.)</b> 2500-701 / 4A1)	<b>Resistance</b> 400	<b>Contacts</b> 6FB
Shelf Name RACK 2D	Relay Name 1NWCR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-250B (N322554-701 / 4A1)	<b>Serial No.</b> L810747		ng/Catalog No.) 2554-701 / 4A1)	Resistance 250 (500/500 parallel)	Contacts 6FB-6F-3B
Shelf Name RACK 2D	Relay Name 1RWCR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-250B (N322554-701 / 4A1)	<b>Serial No.</b> L803072		ng/Catalog No.) 2554-701 / 4A1)	Resistance 250 (500/500 parallel)	Contacts 6FB-6F-3B
Shelf Name RACK 1F	Relay Name 1E-HR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L803266		ng/Catalog No.) 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1F	Relay Name 1E-PCR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150BSR (N322503-701 / 4A3)	<b>Serial No.</b> L811679		<b>ng/Catalog No.)</b> 322503-701 / 4A3)	Resistance 100	Contacts 6F-6B
Shelf Name RACK 1F	Relay Name 1E-DR	<b>Tested</b> 0	Condition N	·	· ·
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793251		<b>ng/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1F	Relay Name 1E-FYR	<b>Tested</b> 0	Condition N		I
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793452		ng/Catalog No.) 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1F	Relay Name SMKR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> 2480908		ng/Catalog No.) 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1F	Relay Name EAR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L796679		ng/Catalog No.) 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1F	Relay Name WAR	<b>Tested</b> 0	Condition N		·
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L934973		ng/Catalog No.) 2500-701 / 4A1)	Resistance 400	Contacts 6FB

Shelf Name RACK 1E	Relay Name 1W-DR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> 1980590		<b>g/Catalog No.)</b> 2500-701 / 4A1)	<b>Resistance</b> 400	Contacts 6FB
Shelf Name RACK 1E	Relay Name 1W-FYR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L924803		<b>ig/Catalog No.)</b> 2500-701 / 4A1)	<b>Resistance</b> 400	Contacts 6FB
Shelf Name RACK 1E	Relay Name 1EA-HGPR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> 2580202		<b>ig/Catalog No.)</b> 2500-701 / 4A1)	<b>Resistance</b> 400	<b>Contacts</b> 6FB
Shelf Name RACK 1E	Relay Name 1W-HR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793438		<b>ig/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1E	Relay Name 1W-PCR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150BSR (N322503-701 / 4A3)	<b>Serial No.</b> L811661		<b>ig/Catalog No.)</b> 322503-701 / 4A3)	Resistance 100	<b>Contacts</b> 6F-6B
Shelf Name RACK 1E	Relay Name 2W-NWPR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L796961		<b>g/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1E	Relay Name 1-EOR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150F (N322530-701)	<b>Serial No.</b> B1395302	Type (Drawin PN-150F (N322	<b>g/Catalog No.)</b> 2530-701)	Resistance 60	Contacts 6FB
Shelf Name RACK 1D	Relay Name 1EA-HGR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L803286		<b>ig/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1D	Relay Name 1EA-LOR	<b>Tested</b> 0	Condition N	•	
<b>Relay</b> PN-150BL (322510-003)	<b>Serial No.</b> L827406	Type (Drawin PN-150BL (322	<b>g/Catalog No.)</b> 2510-003)	Resistance 175	Contacts 3FB
Shelf Name RACK 1D	Relay Name 1EB-HGPR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793523		<b>ig/Catalog No.)</b> 2500-701 / 4A1)	<b>Resistance</b> 400	Contacts 6FB
Shelf Name RACK 1D	Relay Name 1EB-HGR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793534		<b>g/Catalog No.)</b> 2500-701 / 4A1)	Resistance 400	Contacts 6FB
Shelf Name RACK 1D	Relay Name 1EB-LOR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150BL (322510-903)	<b>Serial No.</b> L940894	Type (Drawin PN-150BL (322	<b>g/Catalog No.)</b> 2510-903)	Resistance 175	Contacts 3FB

Shelf Name RACK 1D	Relay Name 2E-PCR	<b>Tested</b> 0	<b>Condition</b> N		
<b>Relay</b> PN-150BSR (N322503-701 / 4A3)	<b>Serial No.</b> L582170	Type (Drawing PN-150BSR (N3	/Catalog No.) 22503-701 / 4A3)	Resistance 100	Contacts 6F-6B
Shelf Name RACK 1D	Relay Name 2-EOR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150F (N322530-701)	Serial No. B1395318	Type (Drawing PN-150F (N3225		<b>Resistance</b> 60	Contacts 6FB
Shelf Name RACK 1C	Relay Name 1WA-HGR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L802365	Type (Drawing PN-150B (N322)		Resistance 400	Contacts 6FB
Shelf Name RACK 1C	Relay Name 1WA-LOR	<b>Tested</b> 0	Condition N	-	·
<b>Relay</b> PN-150BL (322510-003)	Serial No. L809029	Type (Drawing PN-150BL (3225		Resistance 175	Contacts 3FB
Shelf Name RACK 1C	Relay Name 1W-HGPR	<b>Tested</b> 0	Condition N	·	
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> 2580256	Type (Drawing PN-150B (N322)		<b>Resistance</b> 400	Contacts 6FB
Shelf Name RACK 1C	Relay Name 1WB-HGR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L840587	Type (Drawing PN-150B (N322)		Resistance 400	Contacts 6FB
Shelf Name RACK 1C	Relay Name 1WB-LOR	<b>Tested</b> 0	Condition N	-	
<b>Relay</b> PN-150BL (322510-003)	<b>Serial No.</b> L808928	Type (Drawing PN-150BL (3225		Resistance 175	Contacts 3FB
Shelf Name RACK 1C	Relay Name 2W-LOR	<b>Tested</b> 0	Condition N	·	·
<b>Relay</b> PN-150BL (322510-003)	<b>Serial No.</b> L826673	Type (Drawing PN-150BL (3225	/Catalog No.) 510-003)	Resistance 175	Contacts 3FB
Shelf Name RACK 1C	Relay Name 2EA-LOR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150BL (322510-003)	<b>Serial No.</b> L808927	Type (Drawing PN-150BL (3225		<b>Resistance</b> 175	Contacts 3FB
Shelf Name RACK 1C	Relay Name 2E-DR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> 2580255	Type (Drawing PN-150B (N322)		Resistance 400	Contacts 6FB
Shelf Name RACK 1C	Relay Name 2W-SR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L804655	Type (Drawing PN-150B (N322)		Resistance 400	Contacts 6FB
Shelf Name RACK 1C	Relay Name 2E-SR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L803217	Type (Drawing PN-150B (N322)		Resistance 400	Contacts 6FB

Shelf Name RACK 1B	<b>Relay Name</b> 2E-TR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L751635	Type (Drawing, PN-150B (N3225		<b>Resistance</b> 400	Contacts 6FB
Shelf Name RACK 1B	Relay Name 2W-TR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L957397	Type (Drawing, PN-150B (N3225		Resistance 400	Contacts 6FB
Shelf Name RACK 1B	Relay Name 2E-HR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793467	Type (Drawing, PN-150B (N3225		<b>Resistance</b> 400	Contacts 6FB
Shelf Name RACK 1B	Relay Name 2E-HPR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150BSR (N322503-701 / 4A3)	<b>Serial No.</b> L812811	Type (Drawing, PN-150BSR (N32	/Catalog No.) 2503-701 / 4A3)	Resistance 100	Contacts 6F-6B
Shelf Name RACK 1B	Relay Name 2E-FYR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L802385	Type (Drawing, PN-150B (N3225		Resistance 400	Contacts 6FB
Shelf Name RACK 1B	Relay Name 2W-HR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L824700	Type (Drawing, PN-150B (N3225			
Shelf Name RACK 1B	Relay Name 2W-HPR	<b>Tested</b> 0	Condition N	·	·
<b>Relay</b> PN-150BSR (N322503-701 / 4A3)	<b>Serial No.</b> L811723	Type (Drawing, PN-150BSR (N32	/Catalog No.) 2503-701 / 4A3)	Resistance 100	Contacts 6F-6B
Shelf Name RACK 1B	Relay Name 2W-FYR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793238	Type (Drawing, PN-150B (N3225		Resistance 400	Contacts 6FB
Shelf Name RACK 1B	Relay Name 2W-DR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150B (N322500-701 / 4A1)	<b>Serial No.</b> L793531	Type (Drawing, PN-150B (N3225		Resistance 400	Contacts 6FB
Shelf Name RACK 1B	Relay Name 2W-PCR	<b>Tested</b> 0	Condition N		
<b>Relay</b> PN-150BSR (N322503-701 / 4A3)	<b>Serial No.</b> L811696	Type (Drawing, PN-150BSR (N32	/ <b>Catalog No.)</b> 2503-701 / 4A3)	Resistance 100	Contacts 6F-6B

#### **Inspection Report - Insulation Tests & Inspections** RAILWAY

Division: POWDER RIVER
Subdivision: BUTTE
Milepost (with Line Segment): 4 475.23 - 475.23
Location / Highway Name: (SD 471)
County: FALL RIVER
Employee's Name: John Dexter (jdexter)
Conditions Master Key

Asset ID: 064881R Test Date: 04/30/2007 State: SD

SINS0168

PARS Number:

Conditions Master Key C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above. A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition. R = Repairs and/or Replacements made (identifed in associated comments), test completed, and condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)							
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.		
Underground	5	14	HOUSE	SIG. 1	C		
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.		
Underground	3	6	HOUSE	SIG. 1	C		
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.		
Underground	3	6	HOUSE	SIG. 1	C		
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.		
Underground	5	14	HOUSE	SIG. 2	C		
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.		
Underground	3	6	HOUSE	SIG. 2	C		
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.		
Underground	3	6	HOUSE	SIG. 2	С		

# Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: 064881R					
Subdivision: BUTTE	Test Date: 05/07/2007					
Milepost (with Line Segment): 4 475.23 - 475.23	State: SD					
Location / Highway Name: (SD 471)						
County: FALL RIVER						
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167					
Conditions Master Key C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and condition left in compliance. V = Visual inspection completed, condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. The given relay does not require inspection at this time.						

Shelf Name	Relav Name		Serial Number	Condition Left		
RACK DD	POR		A77-L15	C		
Relay Type (Drawing and/or Catalog Number) B1 (56001-745 GR.1 / A62-406)			Resistance (Ohms) 100/100	Contacts 6FB HD (POR)	Date Tester 05/07/2007	
Neutral Dropaway 6.8000 V AC		Neutral Pickup 7.8600 V AC		Neutral Working 7.8600 V AC		
Shelf Name Relay Name Relay Name EOR		Serial Number 303633	Condition Left			
Relay Type (Drawing and/or ST (400700 / 400700)	· Catalog Number)		Resistance (Ohms) 60	Contacts 4FB	Date Tester 05/07/2007	
Neutral Dropaway 0.0220 A DC		Neutral Pickup 0.0630 A DC		Neutral Working 0.0630 A DC		
Shelf Name RACK DD	Relay Name	•	Serial Number 43130P129	Condition Left NT		
Relay Type (Drawing and/or B1 (56001-783 GR.2 / A6	2-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested Not Tested	
Shelf Name Relay Name RACK DD XRP		•	Serial Number 0316239	Condition Left NT		
Relay Type (Drawing and/or Catalog Number) ST (400021 / 400021)		Resistance (Ohms) 200	Contacts 2B HD, 2FB	Date Tester Not Tester		
Shelf Name         Relay Name           RACK DD         XGR		Serial Number 300695				
Relay Type (Drawing and/or Catalog Number) ST (400200 / 400200)		Resistance (Ohms) 194	Contacts 4FB	Date Tester Not Tester		
Shelf Name RACK DC	Relay Name 1-MDR	•	Serial Number 43130P029			
Relay Type (Drawing and/or B1 (56001-783 GR.2 / A6			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tester Not Tester	
Shelf Name RACK DC	Relay Name 2-MDR	•	Serial NumberCondition Left43130P128NT			
Relay Type (Drawing and/or B1 (56001-783 GR.2 / A6			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tester Not Tester	
Shelf Name RACK DC	Relay Name 3-MDR	•	Serial Number 43130P041	Condition Left NT		
Relay Type (Drawing and/or B1 (56001-783 GR.2 / A6			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tester Not Tester	
Shelf Name RACK DC	Relay Name 1HXP-ISL	•	Serial Number 8245009	Condition Left NT	·	
Relay Type (Drawing and/or ST (400502 / 400502)	Catalog Number)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tester Not Tester	
Shelf Name GATE MECH. 1	Relay Name 1 GATE M		Serial Number L326274	Condition Left NT	·	
Relay Type (Drawing and/or DN-22E (UN290333)	Catalog Number)		Resistance (Ohms) 160	Contacts 2F-2B SHD	Date Tester Not Tester	
Shelf Name GATE MECH. 2	Relay Name 2 GATE M		Serial Number H77H66	Condition Left NT		
Relay Type (Drawing and/or K2 (53000-285 GR.70 / A	Catalog Number)		Resistance (Ohms) 280	Contacts 2FB	Date Teste	

# **Inspection Report - Relay Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: 064881R
Subdivision: BUTTE	Test Date: 07/19/2010
Milepost (with Line Segment): 4 475.23 - 475.23	State: SD
Location / Highway Name: (SD 471)	
County: FALL RIVER	
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167
Conditions Master Key         C = Test completed, condition left in compliance.         R = Replacements made (identified in associated comments), test completed, and con         V = Visual inspection completed, condition left in compliance.         NT = The equipment was not tested in this inspection.         N = No inspection required. The given relay does not require inspection at this to	-

		Relay Tests (I	FRA 234.263, 236.106	)		
Shelf Name RACK DD			Serial Number A77-L15	Condition Left C		
Relay Type (Drawing and/or Catalog Number) B1 (56001-745 GR.1 / A62-406)			Resistance (Ohms) 100/100	Contacts 6FB HD (POR)	Date Tested 07/19/2010	
		Neutral Pickup 7.8000 V AC	·	Neutral Working 7.8000 V AC	·	
helf Name Relay Name ACK DD EOR		•	Serial Number 303633	Condition Left C		
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)			Resistance (Ohms) 60	Contacts 4FB	Date Tested 07/19/2010	
		Neutral Pickup 0.0540 A DC	·	Neutral Working 0.0540 A DC		
Shelf Name RACK DD	Relay Name XR	•	Serial Number 43130P129	Condition Left C		
Relay Type (Drawing and/or Cata B1 (56001-783 GR.2 / A62-27			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/19/2010	
		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC		
Shelf Name RACK DD			Serial Number Condition Left 0316239 C			
Relay Type (Drawing and/or Catalog Number) ST (400021 / 400021)			Resistance (Ohms) 200	Contacts 2B HD, 2FB	Date Tested 07/19/2010	
Neutral DropawayNeutral Pickup0.0070 A DC0.0189 A DC			Neutral Working 0.0189 A DC			
Shelf Name Relay Name Relay Name XGR		Serial Number 300695	Condition Left C			
Relay Type (Drawing and/or Catalog Number) ST (400200 / 400200)			Resistance (Ohms) 194	Contacts 4FB	Date Tested 07/19/2010	
Neutral Dropaway 0.0070 A DC			Neutral Working 0.0260 A DC			
Shelf Name RACK DC	Relay Name 1-MDR	•	Serial Number 43130P029	Condition Left C		
Relay Type (Drawing and/or Cata B1 (56001-783 GR.2 / A62-27			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/19/2010	
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0111 A DC	Neutral Working 0.0111 A DC			
Shelf Name RACK DC	Relay Name 2-MDR	•	Serial Number 43130P128	Condition Left C		
Relay Type (Drawing and/or Cata B1 (56001-783 GR.2 / A62-27			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/19/2010	
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0115 A DC		Neutral Working 0.0115 A DC		
Shelf Name RACK DC	Relay Name 3-MDR	•	Serial Number 43130P041	Condition Left C		
Relay Type (Drawing and/or Cata B1 (56001-783 GR.2 / A62-27)			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/19/2010	
Neutral Dropaway Neutral Pickup 0.0074 A DC 0.0110 A DC				Neutral Working 0.0110 A DC		
Shelf Name RACK DC	Relay Name 1HXP-ISL	9	Serial Number 8245009	Condition Left C		
Relay Type (Drawing and/or Catal ST (400502 / 400502)	log Number)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/19/2010	
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0106 A DC		Neutral Working 0.0106 A DC		

### **Inspection Report - Relay Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: 064881R
Subdivision: BUTTE	Test Date: 11/15/2011
Milepost (with Line Segment): 4 475.23 - 475.23	State: SD
Location / Highway Name: (SD 471)	
County: FALL RIVER	
Employee's Name: Bryant Quick (bquick)	PARS Number: SINS0251
<b>Conditions Master Key</b> C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and c	condition left in compliance.

R = Replacements made (identified in associated comments), test completed, and condition
 V = Visual inspection completed, condition left in compliance.
 NT = The equipment was not tested in this inspection.
 N = No inspection required. The given relay does not require inspection at this time.

		Relay Tests (I	FRA 234.263, 236.106	)		
Shelf Name RACK DD			Serial Number 300695		Condition Left NT	
Relay Type (Drawing and/or Catalog Number) ST (400200 / 400200)			Resistance (Ohms) 194	Con 4FB	tacts	Date Tested Not Tested
Shelf Name RACK DD			Serial Number 303633			·
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)		Resistance (Ohms) 60	Con 4FB	tacts	Date Tested Not Tested	
Shelf Name RACK DD	<b>Relay Name</b> XR		Serial Number 43130P129	Condition Left		·
Relay Type (Drawing and/or Catalog N B1 (56001-783 GR.2 / A62-277)	umber)		Resistance (Ohms) 500		tacts 3-2F-1B	Date Tested Not Tested
Shelf Name RACK DD	Relay Name XRP		Serial Number 0316239		Condition Left NT	·
Relay Type (Drawing and/or Catalog N ST (400021 / 400021)	umber)		Resistance (Ohms) 200		<b>tacts</b> HD, 2FB	Date Tested Not Tested
Shelf Name Relay Name RACK DD POR			Serial Number A77-L15		Condition Left NT	·
Relay Type (Drawing and/or Catalog Number) B1 (56001-745 GR.1 / A62-406)			Resistance (Ohms) 100/100		tacts B HD (POR)	Date Tested Not Tested
elf Name Relay Name CK DC 1-MDR			Serial Number 43130P029			
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)			Resistance (Ohms) 500		tacts 3-2F-1B	Date Tested Not Tested
Shelf Name RACK DC					Condition Left NT	·
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500		tacts 3-2F-1B	Date Tested Not Tested	
Shelf Name RACK DC	Relay Name 3-MDR		Serial Number 43130P041		Condition Left NT	·
Relay Type (Drawing and/or Catalog No. B1 (56001-783 GR.2 / A62-277)	umber)		Resistance (Ohms) 500		tacts 3-2F-1B	Date Tested Not Tested
Shelf Name RACK DC	Relay Name 1HXP-ISL		Serial Number 8245009			·
Relay Type (Drawing and/or Catalog N ST (400502 / 400502)	umber)		Resistance (Ohms) 500		tacts 3-2F-1B	Date Tested Not Tested
Shelf Name RACK DC	Relay Name 1BMDR		Serial Number 1132087		Condition Left	·
Relay Type (Drawing and/or Catalog N ST (400004 / 400004)	umber)		Resistance (Ohms) 500		tacts 3-2F-1B	Date Tested 11/15/2011
Neutral Dropaway 0.0082 A DC		Neutral Pickup 0.0118 A DC			tral Working I 18 A DC	
Shelf Name RACK DC	Relay Name 2AMDR		Serial Number 1131927		Condition Left	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500		tacts J-2F-1B	Date Tested 11/15/2011	
Neutral Dropaway 0.0068 A DC					tral Working I 11 A DC	
Shelf Name RACK DC	Relay Name 3BMDR		Serial Number 1131925		Condition Left	
Relay Type (Drawing and/or Catalog N ST (400004 / 400004)	umber)		Resistance (Ohms) 500		tacts J-2F-1B	Date Tested 11/15/2011
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0112 A DC			tral Working I 12 A DC	

### **Inspection Report - Relay Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: 064881R						
Subdivision: BUTTE	Test Date: 10/25/2012						
Milepost (with Line Segment): 4 475.23 - 475.23	State: SD						
Location / Highway Name: (SD 471)							
County: FALL RIVER							
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167						
Conditions Master Key C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and condition left in compliance. V = Visual inspection completed, condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. The given relay does not require inspection at this time.							

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# Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: 064881R
Subdivision: BUTTE	Test Date: 07/07/2014
Milepost (with Line Segment): 4 475.23 - 475.23	State: SD
Location / Highway Name: (SD 471)	
County: FALL RIVER	
Employee's Name: Daryll Hays (dhays)	PARS Number: SINS0167
Conditions Master Key C = Test completed, condition left in compliance. R = Replacements made (identified in associated comments), test completed, and comv V = Visual inspection completed, condition left in compliance. NT = The equipment was not tested in this inspection.	ndition left in compliance.

N = No inspection required. The given relay does not require inspection at this time.

		Relay Tests (I	FRA 234.263, 236.106	5)	
Shelf Name RACK DD	Relay Name POR	!	Serial Number A77-L15	Condition Left	
Relay Type (Drawing and/or Catalog Number) B1 (56001-745 GR.1 / A62-406)			Resistance (Ohms) 100/100	Contacts 6FB HD (POR)	Date Tested 07/07/2014
Neutral DropawayNeutral Pickup6.4000 V AC7.8500 V AC			·	Neutral Working 7.8500 V AC	·
Shelf Name RACK DD	Relay Name EOR	Name Serial Number 0312676			to low drop away value. nal tests, no exceptions. 303633
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)			Resistance (Ohms) 60	Contacts 4FB	Date Tested 07/07/2014
Neutral Dropaway Neutral Picl 0.0430 A DC 0.0680 A D				Neutral Working 0.0680 A DC	
Shelf NameRelay NameSerial NumberRACK DDXR43130P129				Condition Left	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/07/2014
		Neutral Pickup 0.0112 A DC		Neutral Working 0.0112 A DC	
Shelf Name Relay Name RACK DD XRP			Serial Number 0311350	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400021 / 400021)			Resistance (Ohms) 200	Contacts 2B HD, 2FB	Date Tested 07/07/2014
Neutral DropawayNeutral Pickup0.0072 A DC0.0180 A DC				Neutral Working 0.0180 A DC	
Shelf Name RACK DD	Relay Name XGR	1	Serial Number 209158	Condition Left	
Relay Type (Drawing and/or Cat ST (400200 / 400200)	alog Number)		Resistance (Ohms) 194	Contacts 4FB	Date Tested 07/07/2014
Neutral Dropaway 0.0065 A DC		Neutral Pickup 0.0275 A DC		Neutral Working 0.0275 A DC	
Shelf Name RACK DC	Relay Name 1A-MDR		Serial Number 43130P029	Condition Left C	
Relay Type (Drawing and/or Cat B1 (56001-783 GR.2 / A62-2			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/07/2014
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0114 A DC		Neutral Working 0.0114 A DC	
Shelf Name RACK DC	Relay Name 2B-MDR	1	Serial Number 43130P128	Condition Left	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)			Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/07/2014
Neutral Dropaway Neutral Pickup 0.0070 A DC 0.0115 A DC				Neutral Working 0.0115 A DC	
Shelf Name RACK DC	Relay Name 3A-MDR		Serial Number 43130P041	Condition Left	
Relay Type (Drawing and/or Cat B1 (56001-783 GR.2 / A62-2	alog Number) 77)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 07/07/2014
Neutral Dropaway 0.0072 A DC		Neutral Pickup 0.0107 A DC		Neutral Working 0.0107 A DC	

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		Relay Tests (	FRA 234.263, 236.106)				
Shelf Name RACK DC	Relay Name 1HXP-ISL		Serial Number 8245009		Condition Left C		
Relay Type (Drawing and/or Catalog Number) ST (400502 / 400502)			Resistance (Ohms) 500		itacts 3-2F-1B		Date Tested 07/07/2014
Neutral Dropaway 0.0062 A DC	Neutral Pickup 0.0105 A DC			Neutral Working 0.0105 A DC			
Shelf Name RACK DC	Relay Name 1B-MDR		Serial Number Condition Left 1132087 C				
Relay Type (Drawing and/or Catalog Nu ST (400004 / 400004)		Resistance (Ohms) 500		itacts 3-2F-1B		Date Tested 07/07/2014	
		Neutral Pickup 0.0118 A DC			i <b>tral Working</b> 118 A DC		
Shelf Name RACK DC	Relay Name 2A-MDR		Serial Number 1131927	·	Condition Left		
Relay Type (Drawing and/or Catalog Nu ST (400004 / 400004)	mber)		Resistance (Ohms) 500		itacts 3-2F-1B		Date Tested 07/07/2014
Neutral Dropaway 0.0066 A DC			·		itral Working 108 A DC		
Shelf Name RACK DC	Relay Name 3B-MDR		Serial Number 1131925		Condition Left		
Relay Type (Drawing and/or Catalog Nu ST (400004 / 400004)	Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500		itacts 3-2F-1B		Date Tested 07/07/2014
Neutral Dropaway 0.0062 A DC	Neutral Pickup 0.0110 A DC			i <b>tral Working</b> 110 A DC			

## **Inspection Report - Insulation Tests & Inspections** RAILWAY

Division: POWDER RIVER	Asset ID: BABK6KR						
Subdivision: BUTTE	Test Date: 05/10/2007						
Milepost (with Line Segment): 4 476.00 - 476.00	State: SD						
Location / Highway Name: House Track							
County: FALL RIVER							
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222						
Conditions Master Key C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above. A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition. R = Repairs and/or Replacements made (identifed in associated comments), test completed, and condition left in compliance. NT = The equipment was not tested in this inspection. N = No inspection required. This is an annual re-inspection of a different conductor.							

Insulation Tests (FRA 234.267, 236.108)						
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.	
Underground	2	6	CASE	SWCC	С	