

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

SOUTH KENTUCKY RURAL ELECTRIC)	
COOPERATIVE CORPORATION)	CASE NO.
_____)	2009-00015
)	
ALLEGED FAILURE TO COMPLY WITH)	
KRS 278.042)	

O R D E R

South Kentucky Rural Electric Cooperative Corporation ("South Kentucky RECC"), a Kentucky corporation that owns and operates utilities engaged in the distribution of electricity for compensation for lights, heat, power and other uses, is a utility subject to the jurisdiction of the Commission.¹

KRS 278.042 requires all electric utilities to construct and maintain their plant and facilities in accordance with accepted engineering practices as set forth in the most recent edition of the National Electric Safety Code ("NESC").²

Commission Staff has submitted to the Commission an Electric Utility Personal Injury Accident Report ("Report"), appended hereto, in which it alleges that, on August 5, 2008, at 1571 Fishing Creek Road, Yosemite, Kentucky, within Casey

¹ KRS 278.010 (3)(a); KRS 279.210(1).

² The most recent edition of the NESC was published by the Institute of Electrical and Electronics Engineers, Inc. in 2007.

County, Scott Hurst and Donnie Lainhart, employees of Elliott Construction Company ("Elliott Construction"), sustained burn injuries as a result of an accident at the site of a South Kentucky RECC electric construction project.

Commission Staff further alleges that Mr. Hurst and Mr. Lainhart were working as contract employees of South Kentucky RECC on the day of the accident. At the time of the accident, the Elliott Construction crew was replacing a conductor on a single-phase 7,200 volt tap line. Mr. Hurst was the foreman and the person in charge at the job site that day.

Commission Staff further alleges that the Elliott Construction crew had de-energized the tap line prior to beginning their work on the line. However, for reasons which are unexplained by the Report, the crew reenergized the existing electric power line before they were to install the new conductor. Commission Staff asserts that the Elliott Construction crew did not ground the new conductor before pulling it up to be installed.

Commission Staff further alleges that, as Mr. Hurst and Mr. Lainhart pulled up the new line, it became entangled in some tree branches. To free the line, they pulled harder on the rope attached to the conductor and, as they were doing so, the new conductor sprang free from the tree branches. The new conductor then flew upward, making contact with the old, energized conductor. This caused the new conductor to become energized, delivering a shock to Mr. Hurst and Mr. Lainhart, who were not wearing rubber protective equipment.

Mr. Hurst and Mr. Lainhart sought medical treatment from Lake Cumberland Hospital in Somerset, Kentucky and were later transferred to the University of Kentucky Burn Center. They received treatment for their burn injuries and are recovering.

In its Report, Commission Staff alleges the following violations of the NESC:

1. NESC Section 42, 420-C-4: Employees who work on or in the vicinity of energized lines shall consider all of the effects of their actions, taking into account their own safety as well as the safety of other employees on the job site, or on some other part of the affected electric system, the property of others, and the public in general.
2. NESC Section 42, 420-C-5: No employee shall approach or bring any conductive object, without a suitable insulating handle, closer to any exposed energized part than allowed by Rule 431 (communication) or Rule 441 (supply), as applicable.
3. NESC Section 42, 420-H: Employees shall use the personal protective equipment, the protective devices, and the special tools provided for their work. Before starting work, these devices and tools shall be carefully inspected to make sure they are in good condition.
4. NESC Section 42, 421-A-1: The First-Level Supervisor or person in charge shall adopt such precautions as are within the individual's authority to prevent accidents.
5. NESC Section 42, 421-A-2: The First-Level Supervisor or person in charge shall see that the safety rules and operating procedures are observed by the employees under his direction.
6. NESC Section 42, 422-C-1: Precautions shall be taken to prevent wires or cables that are being installed or removed from contacting energized wires or equipment. Wires or cables that are not bonded to an effective ground and which are being installed or removed in the vicinity of energized conductors shall be considered as being energized.
7. NESC Section 44, 441-A-1: Employees shall not approach or bring any conductive object within the minimum approach distance listed in Table 441-1 or Table 441-4 to exposed parts unless one of the following is met:

- a. The line or part is de-energized and grounded per Rule 444D;
- b. The employee is insulated from the energized line or part. Electrical protective equipment insulated for the voltage involved, such as tools, gloves, rubber gloves, or rubber gloves with sleeves, shall be considered effective insulation for the employee from the energized part being worked on; or
- c. The energized line or part is insulated from the employee and from any other line or part at a different voltage.

Based upon our review of the Report and being otherwise sufficiently advised, the Commission finds *prima facie* evidence that South Kentucky RECC has failed to comply with KRS 278.042.

Wherefore, the Commission, on its own motion, HEREBY ORDERS that:


1. South Kentucky RECC shall submit to the Commission, within 20 days of the date of this Order, a written response to the allegations contained in the report.
2. South Kentucky RECC shall appear on March 25, 2009 at 9:30 a.m., Eastern Standard Time, in Hearing Room 2 of the Commission's offices at 211 Sower Boulevard in Frankfort, Kentucky, to present evidence concerning the incident which is the subject of the Report. Specifically, South Kentucky RECC shall present evidence as to the alleged violations of KRS 278.042 and the NESC and show cause as to why it should not be held subject to the penalties of KRS 278.990 for these alleged failures.
3. The record of the March 25, 2009 hearing shall be made in videotape only unless, on or before March 11, 2009, a party to the proceeding requests that a stenographic transcript of the proceedings be made.
4. The Report, appended hereto, is made a part of the record of this case.

5. Any requests for an informal conference with Commission Staff shall be set forth in writing and filed with the Commission within 20 days of the date of this Order.

Done at Frankfort, Kentucky, this 11th day of February, 2009.

By the Commission

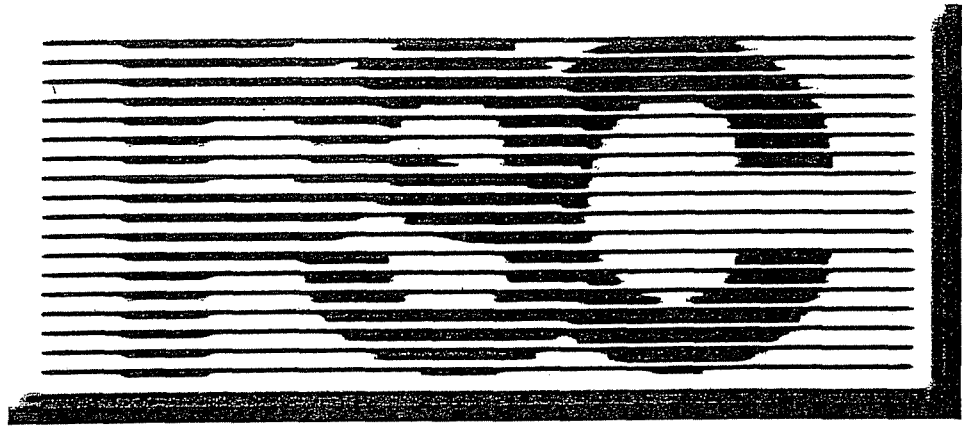
ATTEST:



Executive Director

APPENDIX

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE
COMMISSION IN CASE NO. 2009-00015 DATED FEBRUARY 11, 2009



INCIDENT INVESTIGATION ~ Staff Report

Report Date ~ November 14, 2008

Incident Date ~ August 5, 2008

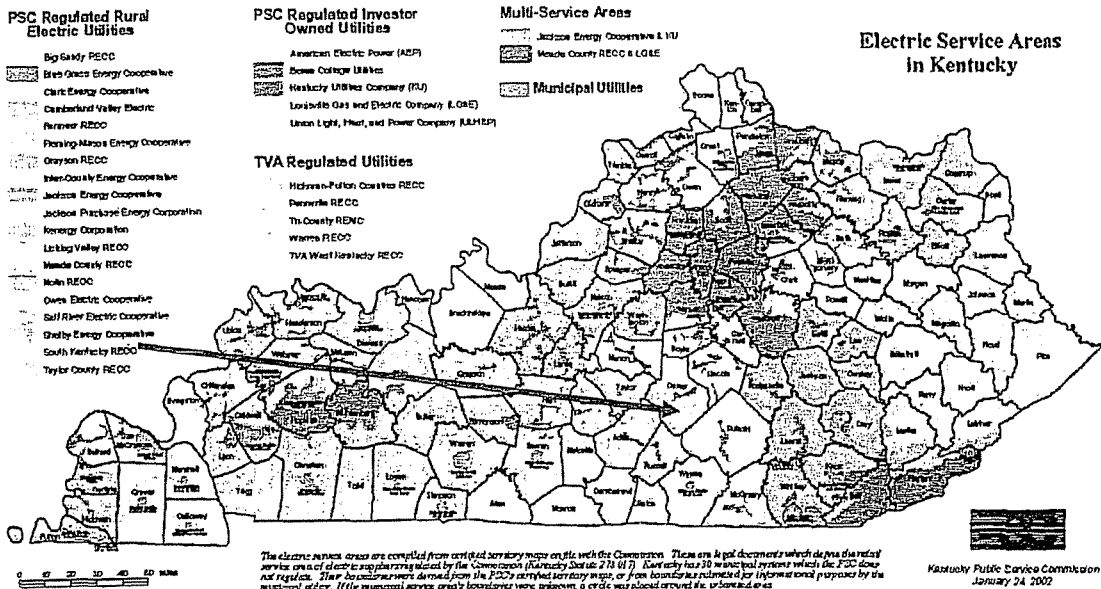
Serving Utility ~ South Kentucky RECC

Incident Location ~ Yosemite, Kentucky

Victims ~ Scott Hurst and Donnie Lainhart

PSC Lead Investigator ~ Steve Kingsolver

RECEIVED
NOV 19 2008
GENERAL COUNSEL





Kentucky Public Service Commission

Electric Utility Personal Injury Incident Report

Utility: South Kentucky RECC

Reported By: Richard Randall

Incident Occurred: August 5, 2008 Approximately 3:15 PM

Utility Notified: August 5, 2008 Approximately 3:15 PM

PSC Notified: August 5, 2008 Approximately 7:15 PM

PSC Investigated: August 6, 2008 9:30 AM

Report Received: August 12, 2008

Incident Location: 1571 Fishing Creek Road
Yosemite, Kentucky 42566
Casey County

Incident Description:

A contract crew with Elliot Construction Company was performing work on South Kentucky RECC facilities when this accident took place. The task being performed by the Elliot crew was replacing conductor on a single phase 7200 volt tap line. The tap line had been de-energized for most of the day. For some reason the crew decided to re-energize the line before they were to pull up and sag the new conductor. When pulling up the new conductor, it appears the new conductor got hung under tree limbs. The victims pulled harder on the conductor and when it came free from the limbs, the new conductor made contact with the old energized conductor. This action energized the new conductor and it had not been grounded during this process. It was at this point the victims received the shock from the new conductor. The victims were pulling on a rope that was attached to the new conductor. It appears that the victims were not wearing the required rubber protective equipment during this phase of the operation. The victims were transported to the local hospital and then transported to the University of Kentucky Burn Center. The victims survived and are recovering.

<u>Victim:</u>	<u>Name:</u>	<u>Address:</u>	<u>Employer:</u>
(2)	Scott Hurst Donnie Lainhart	Unknown Unknown	Elliot Construction Co. Elliot Construction Co.

<u>Witnesses:</u>	<u>Name:</u>	<u>Address:</u>	<u>Employer:</u>
(2)	Jackie Hurst Carl Gilbert	Unknown Unknown	Elliot Construction Co. Elliot Construction Co.

<u>Information From:</u>	<u>Name:</u>	<u>Position:</u>	<u>Employer:</u>
	Steve Conover	VP, Ops. & Eng.	South Kentucky RECC
	Eddy Black	Safety Dept.	South Kentucky RECC
	Richard Randell	Safety Dept.	South Kentucky RECC
	John Morris	Manager	Elliot Construction Co
	David Means	General Foreman	Elliot Construction Co
	Scott Hurst	Foreman	Elliot Construction Co.
	Donnie Lainhart	Operator	Elliot Construction Co.
	Jackie Hurst	Journeyman Lineman	Elliot Construction Co
	Carl Gilbert	Apprentice Lineman	Elliot Construction Co.

Probable Violations:

KAR 278.042 Service Adequacy and safety standards for electric utilities-
National Electric Safety Code

National Electric Safety Code:

Section 42. General Rules for Employees

420. Personal general precautions:

C. Safeguarding Oneself and Others

4. Employees who work on or in the vicinity of energized lines shall consider all of the effects of their actions, taking into account their own safety as well as the safety of other employees on the job site, or on some other part of the affected electric system, the property of others, and the public in general.

5. No employee shall approach or bring any conductive object, without a suitable insulating handle, closer to any exposed energized part than allowed by Rule 431 (communication) or Rule 441 (supply), as applicable.

420. Personal general precautions:

H. Tools and Protective Equipment

Employees shall use the personal protective equipment, the protective devices, and the special tools provided for their work. Before starting work, these devices and tools shall be carefully inspected to make sure that they are in good condition.

421. General operating routines:

A. Duties of a First-Level Supervisor or Person in Charge

This individual shall:

1. Adopt such precautions as are within the individual's authority to prevent accidents.
 2. See that the safety rules and operating procedures are observed by the employees under the direction of this individual.
-

422. Overhead line operation procedures

C. Installing and Removing Wires or Cables

1. Precautions shall be taken to prevent wires or cables that are being installed or removed from contacting energized wires or equipment. Wires or cables that are not bonded to an effective ground and which are being installed or removed in the vicinity of energized conductors shall be considered as being energized.
-

Section 44. Additional Rules for Supply Employees

441. Energized conductors and parts

Employees shall not approach, or knowingly permit others to approach, any exposed ungrounded part normally energized except as permitted by this rule.

A. Minimum Approach Distance to Live Parts

1. General

Employees shall not approach or bring any conductive object within the minimum approach distance listed in Table 441-1 or Table 441-4 to exposed parts unless one of the following is met:

- a. The line or part is de-energized and grounded per Rule 444D.

b. The employee is insulated from the energized line or part. Electrical protective equipment insulated for the voltage involved, such as tools, gloves, rubber gloves, or rubber gloves with sleeves, shall be considered effective insulation for the employee from the energized part being worked on.

c. The energized line or part is insulated from the employee and from any other line or part at a different voltage.

Table 441-1: AC Live Work Minimum Approach Distance⁴
(See Rule 441 in its entirety.)

Voltage in kilovolts phase-to-phase ¹	Distance to employee			
	Phase-to-ground		Phase-to-phase	
	(m)	(ft-in)	(m)	(ft-in)
0 to 0.050 ²	not specified		not specified	
0.051 to 0.300 ²	avoid contact		avoid contact	
0.301 to 0.750 ²	0.31	1-0	0.31	1-0
0.751 to 15	0.65	2-2	0.67	2-3
15.1 to 36.0	0.77	2-7	0.86	2-10
36.1 to 46.0	0.84	2-9	0.96	3-2
46.1 to 72.5	1.00 ³	3-3 ³	1.20	3-11

1 For single-phase systems, use the highest voltage available.

2 For single-phase lines off three phase systems, use the phase-to-phase voltage of the system.

3 The 46.1 to 72.5 kV phase-to-ground 3-3 distance contains a 1-3 electrical component and a 2-0 inadvertent movement component.

4 Distances listed are for standard atmospheric conditions. The data used to formulate this table was obtained from test data taken with standard atmospheric conditions. Standard atmospheric conditions are defined as temperatures above freezing, wind less than 15 mi per hr or 24 km per hr, unsaturated air, normal barometer, uncontaminated air, and clean and dry insulators. If standard atmospheric conditions do not exist, extra care must be taken.

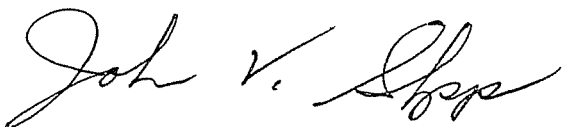
Temp & Weather: Clear and Hot. 92°

Investigated By: _____ **Name:** _____ **Company:** _____
Steve Kingsolver
Utility Regulatory & Safety Investigator IV
KPSC

Signed: 

Date: 11-14-08

Reviewed By: _____ **Name:** _____ **Company:** _____
John Shupp
Manager, Electric Branch
KPSC

Signed: 

Date: 11/14/08

- Attachments:**
- A. Utility Summary Report
 - B. Utility Amended Summary Report
 - C. Elliot Construction Company Accident Report
 - D. KPSC Photographs and Map of Incident Site

Attachment A

Utility Summary Report



Allen Anderson, Head Coach & CEO

925-929 North Main Street
Post Office Box 910
Somerset, KY 42502-0910
Telephone 606-678-4121
Toll Free 800-264-5112
Fax 606-679-8279
www.slrecc.com

August 11, 2008

Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615

Mr. Steve Kingsolver

SUBJECT: Electrical Contact Accident 8/5/08

Dear Steve,

Please find enclosed the information on the electrical contact accident that occurred on 8/5/2008. This accident involved South Ky. RECC facilities in Casey County Kentucky. The contact involved Davis H. Elliot Company. The employees were Scott Hurst and Donnie Lainhart.

Sincerely,

SOUTH KENTUCKY RECC

A handwritten signature in black ink that reads 'Richard Randall'. The signature is written in a cursive, flowing style.

Richard Randall
Safety and Training Coordinator

INVESTIGATIVE REPORT

COOPERATIVE:	NAME: SOUTH KY RECC	TELEPHONE: (606) 678-4121	
	ADDRESS: 925-929 N. MAIN ST. SOMERSET, KY 42503		
DATE AND TIME OF INCIDENT:	(MM/DD/YY)	COOPERATIVE NOTIFIED: (MM/DD/YY)	
	8/5/2008 Time of actual event unknown Approx. 15:30 to 15:35 EST A. M. _____ P. M. <input checked="" type="checkbox"/>	(MM/DD/YY) 8/5/2008 A. M. _____ P. M. <input checked="" type="checkbox"/> 17:15	
LOCATION:	1571 Fishing Creek Road, Yosemite, KY. 42566		
DESCRIPTION OF ACCIDENT:	Davis H. Elliot Construction crew was working on Work Plan #07 399.81 to reroute and reconductor an exsiting line. The crew had set the new poles and was pulling up the new conductor on the new poles. The exsiting line was still energized. As they were pulling up the new conductor it got hung up on something and would not come up bewtween pole # 128161 and # 128162. Two employees grabbed the new conductor as it seemed to not be moving. When the new conductor came loose it slapped the energized conductor and both Elliot Construction employees received an electrical shock.		
INJURED PARTY:	NAME: Scott Hurst an Donnie Lainhart	AGE: Unknown	SS#: Unknown
	TELEPHONE #: 859-263-5148 (Davis H. Elliot Office)	OCCUPATION: Scott Hurst Foreman--Donnie Lainhart Operator	
	ADDRESS: 673 Blue Sky Parkway Lexington, KY. 40509 (Elliot Construction Office)		
EXTENT OF INJURY:	received entry point at hands had exit points on feet.		
TREATMENT:	(AMBULANCE, DOCTOR, HOSPITAL, ETC.) tranported themselves to Lake Cumberland Hospital in Somerset, KY. day of occurance. They were then transported to University of KY. Burn Center in Lexington the evening of occurance. Mr. Hurst was transported by ambulance and Mr. Lainhart was transported by private vehicle.		

COOPERATIVE EMPLOYEES AT SCENE:	Richard Randall, Inace Brown, David Cundiff, Bruce Parkey after occurrence	
WITNESSES:	(NAME AND CONTACT #) Jackie Hurst and Carl Gilbert other part of Davis H. Elliot crew at accident site	
LAW OR OTHER OFFICIALS INVESTIGATING:	N/A	
WEATHER AND TERRAIN CONDITIONS:	Clear, hot, 92 Degrees F., hay field then rolls into ravine at pole # 128161 and pole # 128163 where trees are located	
SYSTEM PROFILE:	(VOLTAGE TYPE AND SIZE CONDUCTOR, TYPE POLE STRUCTURES, POLE #, ETC) 7,200 volts. Existing conductor 6A CWC. New conductor #2 ACSR. Closest pole at contact point employees # 128159 VB3, closest pole at Wire contact VA1 # 128161	
EQUIPMENT PROTECTIVE DEVICES:	(TYPE, LOCATION, RATING, DID THEY OPERATE, POLE #.) Mt. Olive Substation-sub. # 4-circuit # 2--Brown Ridge Circuit. OCR # 124 set at 280 amps phase trip, 100 amps ground trip. There was no indication of a breaker operation occurring.	
DID OUTAGE OCCUR?	YES _____ DATE: _____ NO X TIME: _____	A. M. _____ P. M. _____ DURATION: _____
WAS CO-OP NOTIFIED OR AWARE OF WORK IN THE AREA - EXPLAIN.	SKRECC was aware that Davis H. Elliot was in the area working on the Work plan.	
CLEARANCES:	Located on the Work Plan sheet in middle right hand section	
AGENCY INVOLVED:	wire conductor	
ADDITIONAL COMMENTS:		

SAFETY AND
TRAINING

PREPARED BY: Richard Randall COORDINATOR 8/11/2008 (606) 678-4121
SIGNATURE JOB TITLE DATE TELEPHONE #

Picture Index of Davis H. Elliot Electrical Contact

1 looking up at take off pole # 128159. VB3 construction. Existing phase 6A CWC on top right hand side with Mechanical Jumper. Top left hand is short tap take off. Second take off is new conductor #2 ACSR that was pulled in to replace 6A.

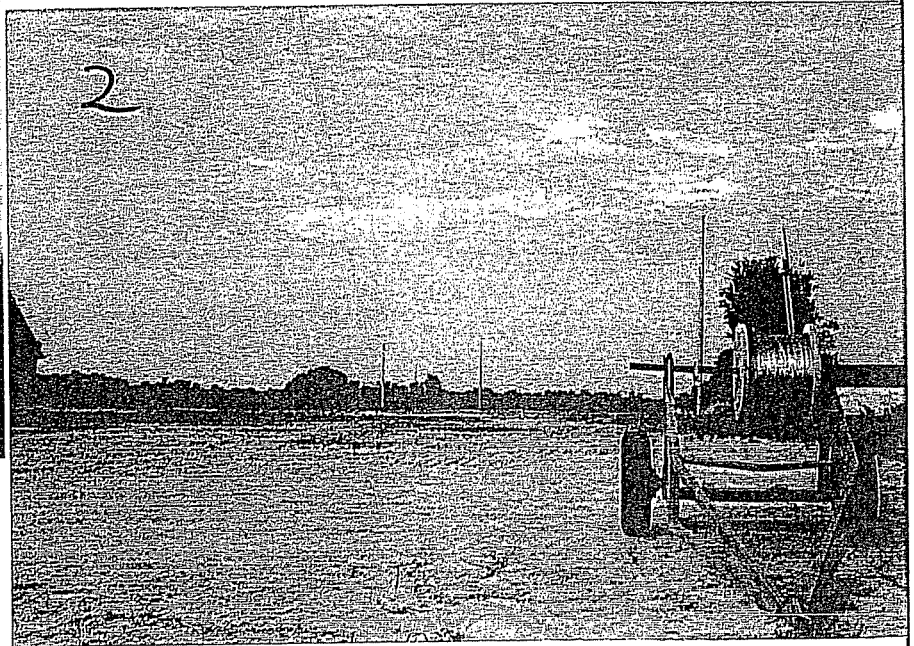
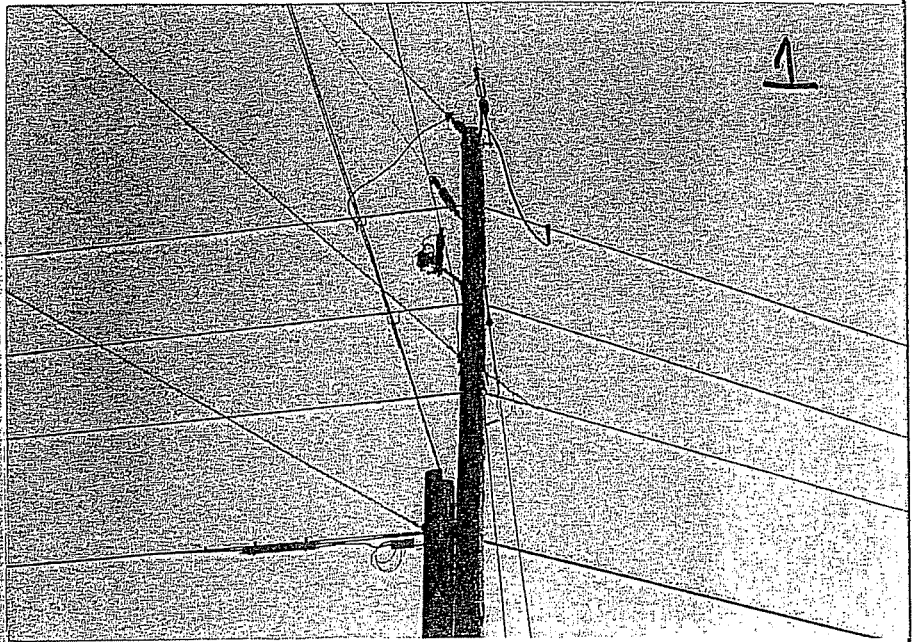
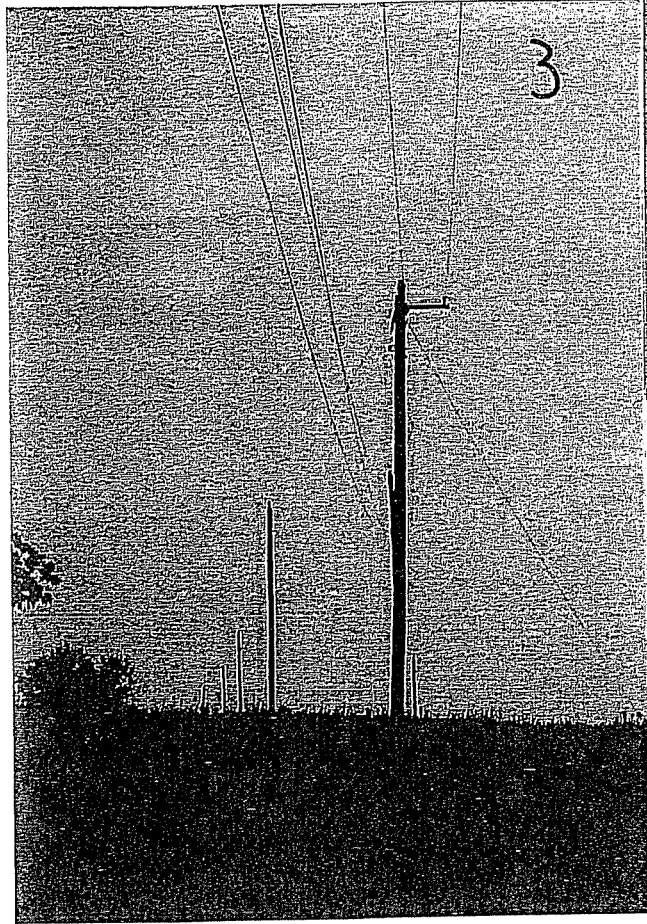
2 approximate location of Davis H. Elliot employees were electrical contact occurred. Looking from VB3 take off pole toward dead end pole.

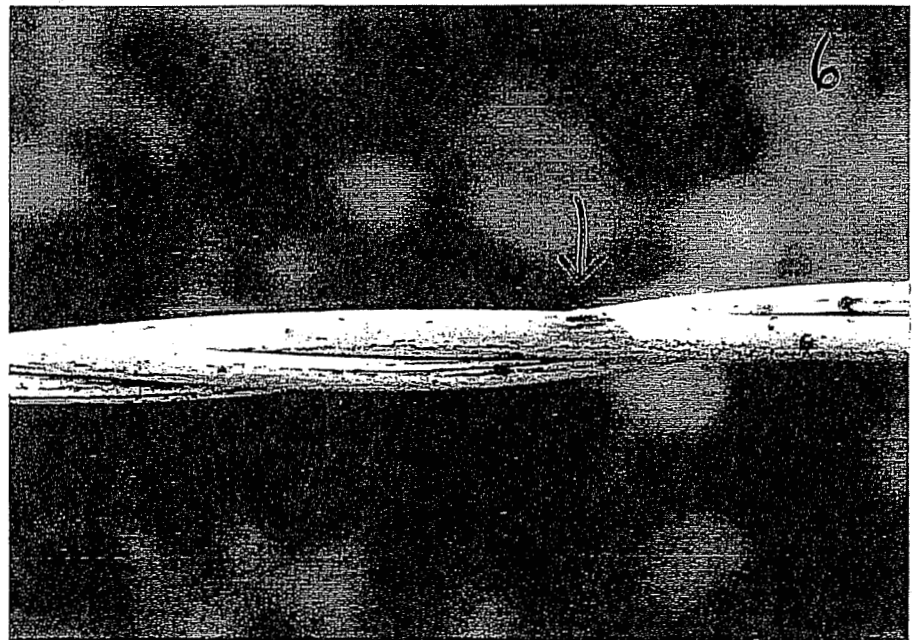
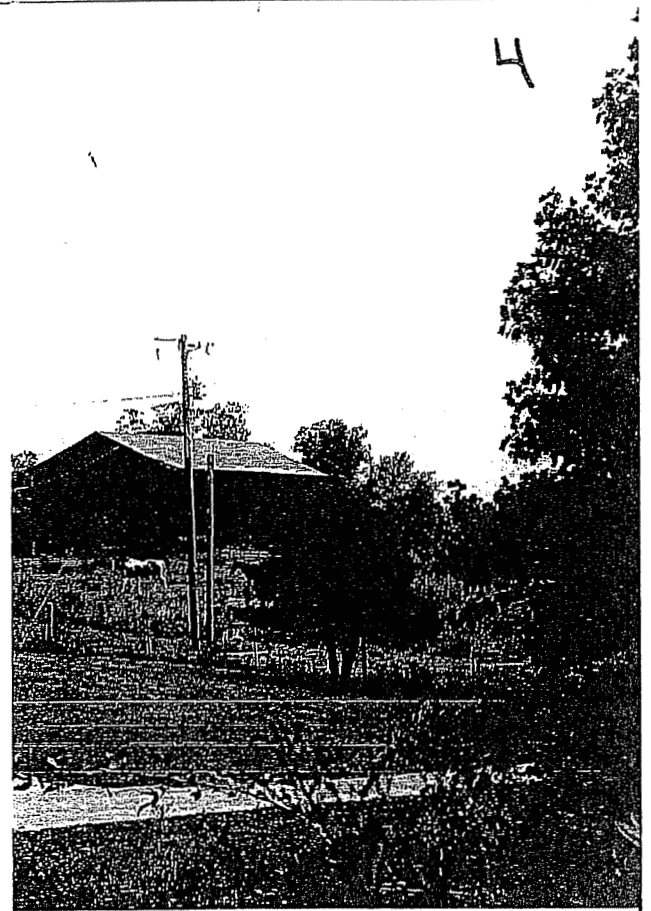
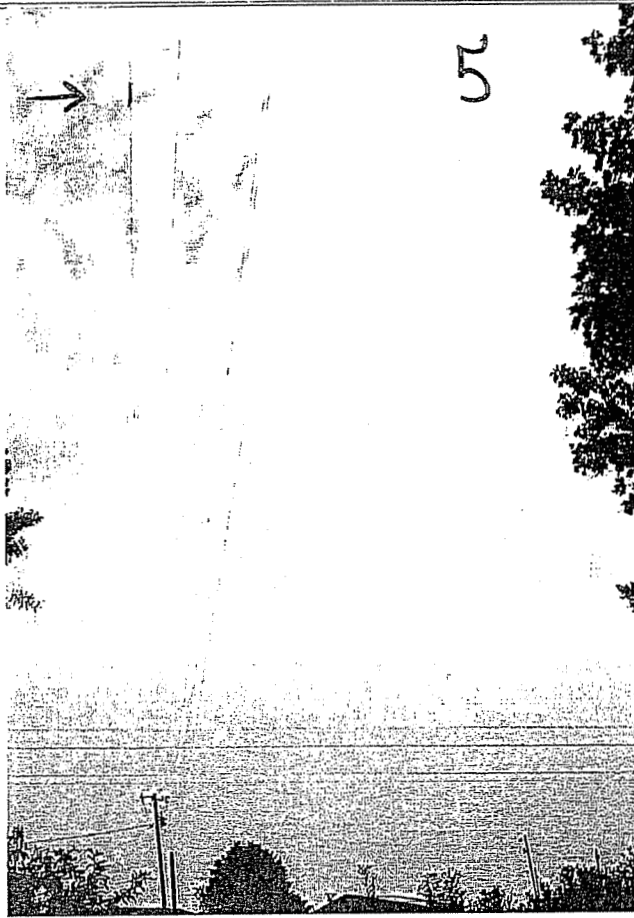
3 pole # 128161 VA2 construction with lay out arm of 6A CWC. New # 2 conductor on pole insulator. New line turns to left in picture existing line on right of picture. Picture is looking back toward take off pole in picture # 1.

4 pole # 128162. VA4 construction with lay out arm and mechanical jumper. New conductor was dead ended here to pull out to take off pole in picture # 1.

5 pole # 128162 in background. 6 A CWC contact point in left hand corner of picture beside arrow.

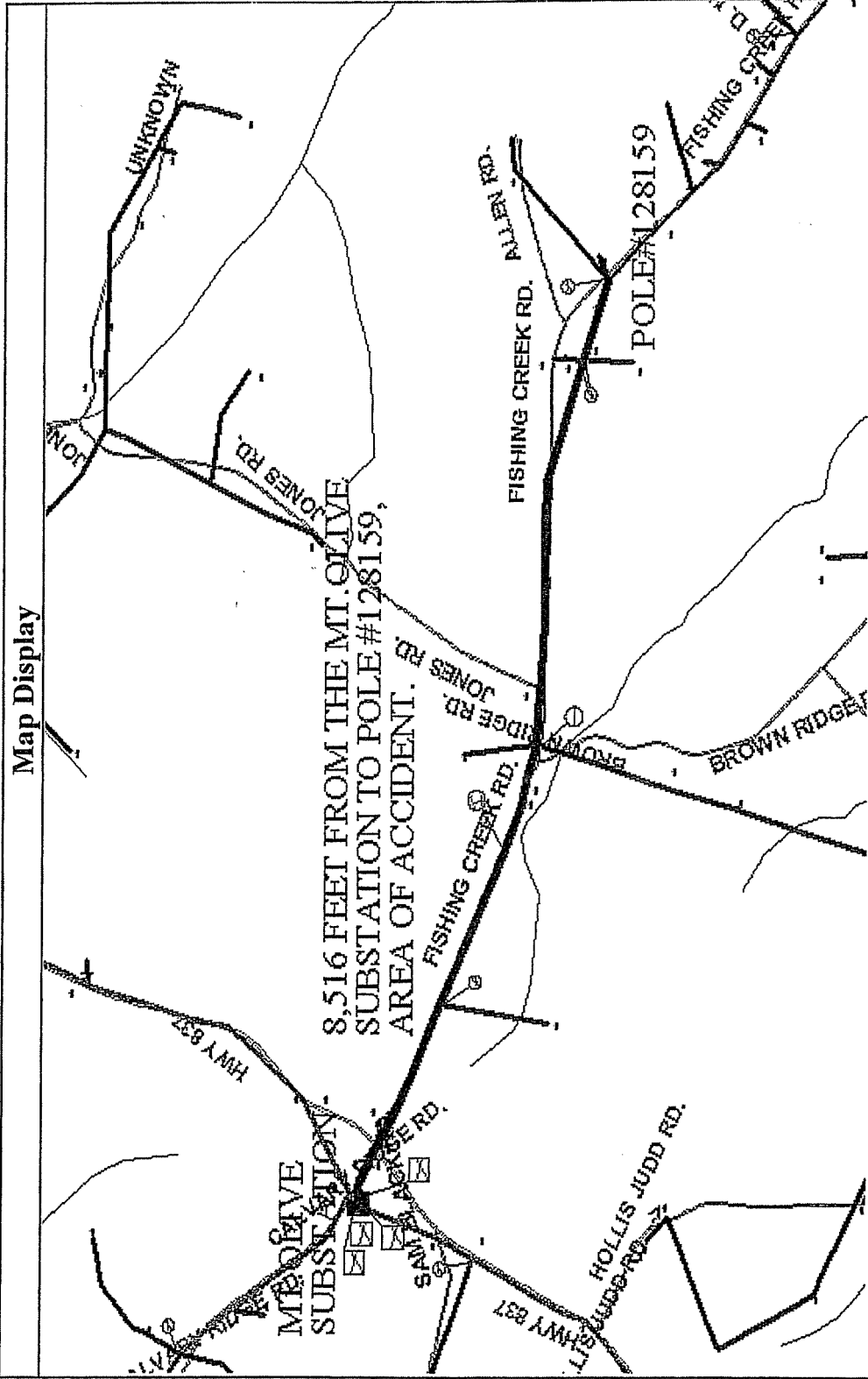
6 6 A CWC conductor where # 2 ACSR made contact in span between pole # 128161 and pole # 128162 approximately 120 feet out from pole # 128161.







Map Display



Richard, "State your name?" Donnie Lainhart.

Richard, "Today's date?" 8/5/08.

Richard, "Give a brief description of what you was doing?" Well we was fixing to sag some wire we had it dead ended. One end there was about 5 or 6 spans of wire we went to pull up some slack to put a rope on it let the truck pull it up. Pulled it up I don't know 15 or 20 ft.

Richard, "Was that off a spool or something off the back of the truck?" We had spool set across the road. We cut it, we was pulling some slack out it so we could take up on it.

Richard, "Did you have it up on dollies on the pole?"

It was all up in dollies, and it was all covered up, phase was laid out everything was in the clear. The first 2 or 3 poles was in the clear. Re-route and like I said we pulled up on it and next thing I know it had a hold of me. I hit the ground.

Richard, "What happened then?"

It took me a few minutes I was trying to figure out what was going on what had happened. My feet were numb and feeling funny. Just laid there a minute. Then all the other boys come over and asked if we were all right and everything. We could talk to them. We got up and come well come to the hospital.

Richard, "Did you have gloves on?"

I had work gloves on.

Richard, "Did you have any burns or marks or anything on you?"

On my feet. There is two places on my feet. I got two exit wounds or whatever they are called. Nothing on my hands. That I know of there not burning like my feet is anyway. So I don't know where it went in or if that's where it went in or what.

Richard, "Has the doctor said anything to you in particular?"

No.

Interview conducted 8/5/08 at Lake Cumberland Hospital approximately 18:00 hours by Richard Randall South KY RECC.

This is Scott Hurst with Davis H. Elliot. Today's 8/5/08. We was doing a wire change out Fishing Creek Rd. Some of it was new built and then it tied in with the old line where the old line tied in with the new laid the old wire out. All the way through like it is suppose to be done and we come back and set our wire trailer up and started pulling wire. Got down to where it crossed the hollow, pulled wire across the hollow and up the road then dead-ended it on a A-4 pole and come back to the take off pole was going to pull it up. We had a rope at the end of the wire. We got to pulling it, it didn't look like it was coming off the ground. We just reached an grabbed a bigger bite behind the rope. When we did, I guess it came out of that tree limb down there from that A-2 to that A-4 in that hollow and it did it swung over and hit the line. Then it gave us a surge. I don't know whether it knocked me down or I fell down. It didn't last long just a minute and it was over with. Then I called my General Foreman and told him what happened and we came on to the hospital.

Richard, "You haven't seen a doctor yet or he hasn't told you anything yet?"
Nothing.

Interview conducted 8/5/08 at Lake Cumberland Hospital approximately 18:10 hours by Richard Randall South KY RECC.

Attachment B

Utility Amended Summary Report



Allen Anderson, Head Coach & CEO

925-929 North Main Street
Post Office Box 910
Somerset, KY 42502-0910
Telephone 606-678-4121
Toll Free 800-264-5112
Fax 606-679-8279
www.skrecc.com

November 13, 2008

Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615

Mr. Steve Kingsolver

SUBJECT: Electrical Contact Accident 8/5/08

Dear Steve,

Please find enclosed the revision to the Investigative Report on the electrical contact accident that occurred on 8/5/2008. This accident involved South Ky. RECC facilities in Casey County Kentucky. The contact involved Davis H. Elliot Company. The employees were Scott Hurst and Donnie Lainhart.

The report contains new information that Davis H. Elliot has brought forth after there investigation was completed. This information was compiled from there report alone with a meeting with all parties on 8/28/08 at SKRECC.

Sincerely,

SOUTH KENTUCKY RECC

Richard Randall
Safety and Training Coordinator

INVESTIGATIVE REPORT

COOPERATIVE:	NAME: SOUTH KY RECC	TELEPHONE: (606) 678-4121	
	ADDRESS: 925-929 N. MAIN ST. SOMERSET, KY 42503		
DATE AND TIME OF INCIDENT:	(MM/DD/YY)	COOPERATIVE NOTIFIED: (MM/DD/YY)	
	8/5/2008 Time of actual event unknown Approx. 15:30 to 15:35 EST A. M. _____ P. M. <input checked="" type="checkbox"/>	(MM/DD/YY) 8/5/2008 A. M. _____ P. M. <input checked="" type="checkbox"/> 17:15	
LOCATION:	1571 Fishing Creek Road, Yosemite, KY. 42566		
DESCRIPTION OF ACCIDENT:	Davis H. Elliot Construction crew was working on Work Plan #07 399.81 to reroute and reconductor an exsiting line. The crew had set the new poles and was pulling up the new conductor on the new poles. The exsiting line was still energized. As they were pulling up the new conductor it got hung up on something and would not come up bewtween pole # 128161 and # 128162. Two employees were pulling the rope tag line tied to the new conductor. When the new conductor came loose it slapped the energized conductor and both Elliot Construction employees received an electrical shock. From the investigation Elliot performed there conclusion showed that the contact was from step potential from the new conductor where it was laying on the ground where they where pulling from.		
INJURED PARTY:	NAME: Scott Hurst an Donnie Lainhart	AGE: Unknown	SS#: Unknown
	TELEPHONE #: 859-263-5148 (Davis H. Elliot Office)	OCCUPATION: Scott Hurst Foreman--Donnie Lainhart Operator	
	ADDRESS: 673 Blue Sky Parkway Lexington, KY. 40509 (Elliot Construction Office)		
EXTENT OF INJURY:	received entry point and exit points on feet.		
TREATMENT:	(AMBULANCE, DOCTOR, HOSPITAL, ETC.) tranported themselves to Lake Cumberland Hospital in Somerset, KY. day of occurance. They were then transported to University of KY. Burn Center in Lexington the evening of occurance. Mr. Hurst was transported by ambulance and Mr. Lainhart was transported by private vehicle.		

COOPERATIVE EMPLOYEES AT SCENE:	Richard Randall, Inace Brown, David Cundiff, Bruce Parkey after occurrence		
WITNESSES:	(NAME AND CONTACT #) Jackie Hurst and Carl Gilbert other part of Davis H. Elliot crew at accident site		
LAW OR OTHER OFFICIALS INVESTIGATING:	N/A		
WEATHER AND TERRAIN CONDITIONS:	Clear, hot, 92 Degrees F., hay field then rolls into ravine at pole # 128161 and pole # 128163 where trees are located		
SYSTEM PROFILE:	(VOLTAGE TYPE AND SIZE CONDUCTOR, TYPE POLE STRUCTURES, POLE #, ETC) 7,200 volts. Existing conductor 6A CWC. New conductor #2 ACSR. Closest pole at contact point employees # 128159 VB3, closest pole at Wire contact VA1 # 128161		
EQUIPMENT PROTECTIVE DEVICES:	(TYPE, LOCATION, RATING, DID THEY OPERATE, POLE #.) Mt. Olive Substation-sub. # 4-circuit # 2--Brown Ridge Circuit. OCR # 124 set at 280 amps phase trip, 100 amps ground trip. There was no indication of a breaker operation occurring.		
DID OUTAGE OCCUR?	YES _____ DATE: NO <input checked="" type="checkbox"/> TIME:	A. M. _____ P. M. _____ DURATION:	
WAS CO-OP NOTIFIED OR AWARE OF WORK IN THE AREA - EXPLAIN.	SKRECC was aware that Davis H. Elliot was in the area working on the Work plan.		
CLEARANCES:	Located on the Work Plan sheet in middle right hand section		
AGENCY INVOLVED:	wire conductor		
ADDITIONAL COMMENTS:	This report has been revised due to the meeting with the PSC, Davis H. Elliot Co. and SKRECC on 8/28/08 (REVISION 1)		

SAFETY AND
TRAINING

PREPARED BY:

	COORDINATOR	9/2/2008	(606) 678-4121
SIGNATURE	JOB TITLE	DATE	TELEPHONE #

Attachment C

Elliot Construction Company Accident Report

Date: 8-5-2008

Incident: Electrical shock

Employees involved: Scotty Hurst and Donnie Lainhart

Incident Summary:

Crew was assigned a job to rebuild and relocate a four span single phase line that feeds one house and a barn. The weather was hot and dry.

After the new poles were in place the existing line was deenergized and grounded. The crew worked out the poles at point B and C. This included moving the transformer and service to the residence. The power was off approximately two and one half hours. The crew removed grounds and reenergized the line to restore power to the residence. An elderly couple live at the residence and the weather was very hot. The Foreman wanted to avoid having the power out again.

All energized parts near where the new wire would be placed were covered. A new wire was pulled out and deadended at pole C. The wire was then temporary tied on the pole tops to allow for sagging. A preform and rope were attached to the wire near pole A. Scotty Hurst and Donnie Lainhart were using the rope to pull excess slack out of the wire. Policy 6.24 Blue section of hand book permits using dry rope to raise and lower wires on poles. Carl Gilbert was standing by to place a grip on the wire for raising the wire into position for sagging. Carl was wearing all required PPE for placing the grip on the wire. Gloves Sleeves and Insulated Boots.

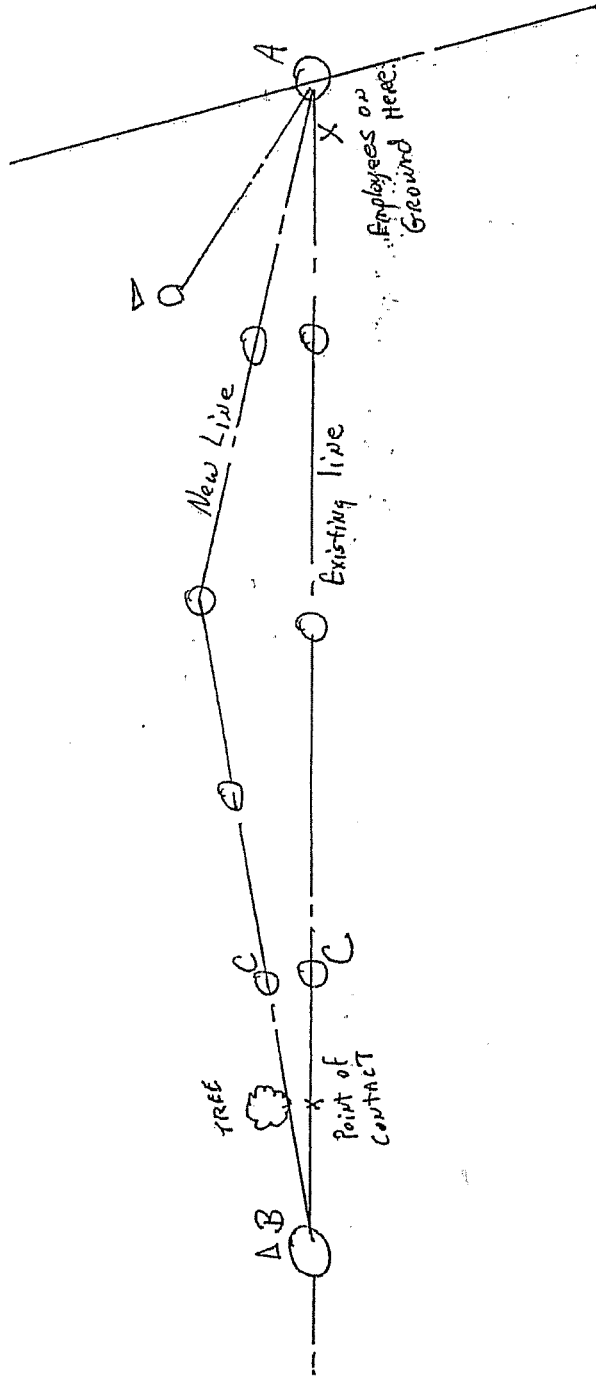
As Scotty and Donnie were pulling the wire up, it became snagged in a tree limb. Due to the amount of wire they were pulling, they were not concerned that it was a hard pull. They could not see the area where the wire was snagged in the tree. As they pulled harder the wire dislodged from the tree limb. The resulting jerk caused the new wire to contact the energized old wire. When this contact occurred, both Scotty and Donnie experienced an electrical shock. Both employees had exit wounds on one foot. Due to the nature and extent of the injuries, we have determined that the electrical shock was a result of a Step Potential condition caused when excess wire laying on the ground, near the employees became energized.

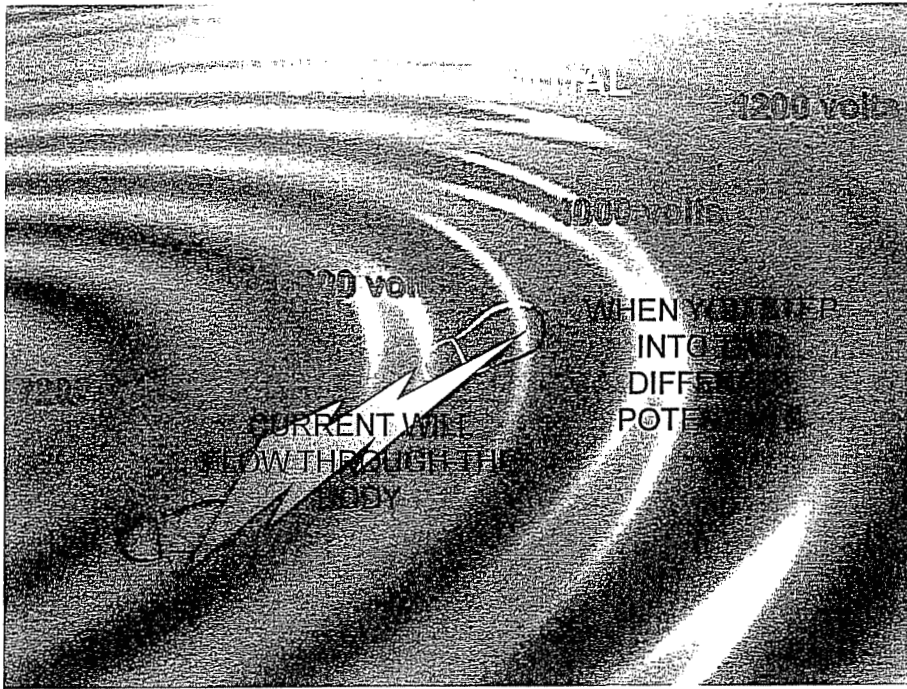
All required PPE was used in all phases of this task

See attached Step Potential chart

See drawing on back of incident form for reference to points A,B and C

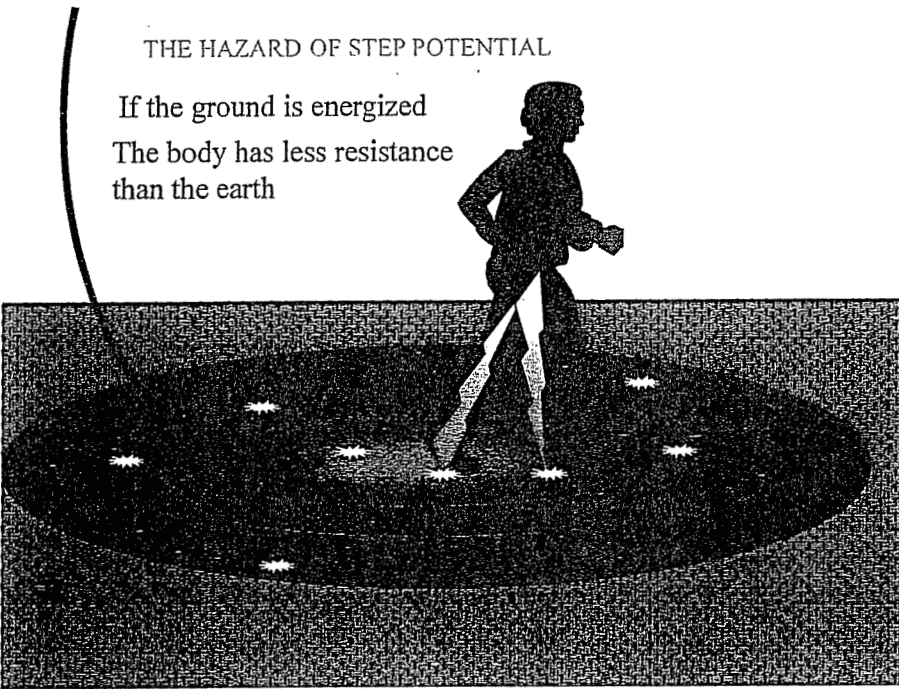
8-5-08





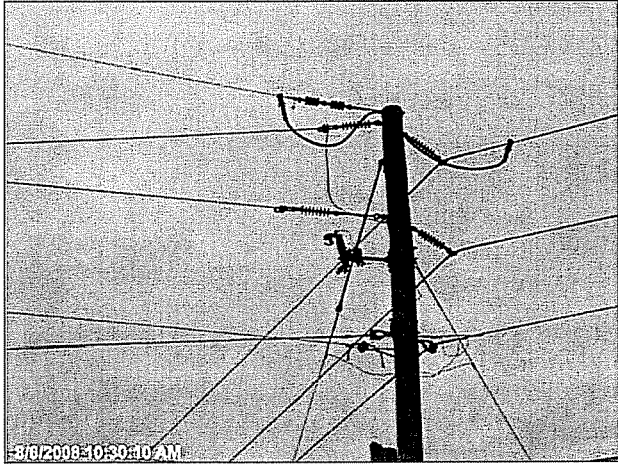
THE HAZARD OF STEP POTENTIAL

If the ground is energized
The body has less resistance
than the earth



Attachment D

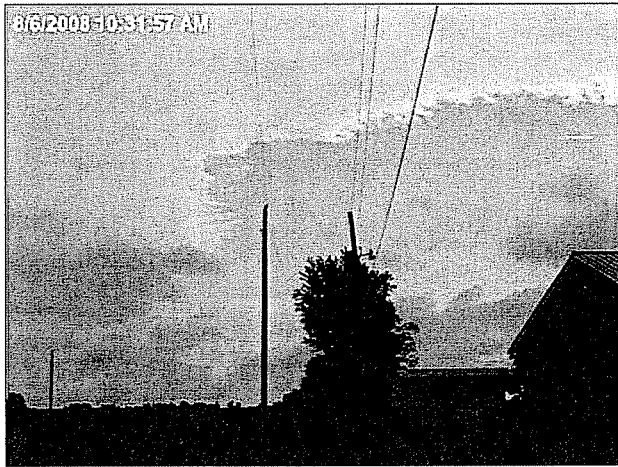
KPSC Photographs and Map of Incident Site



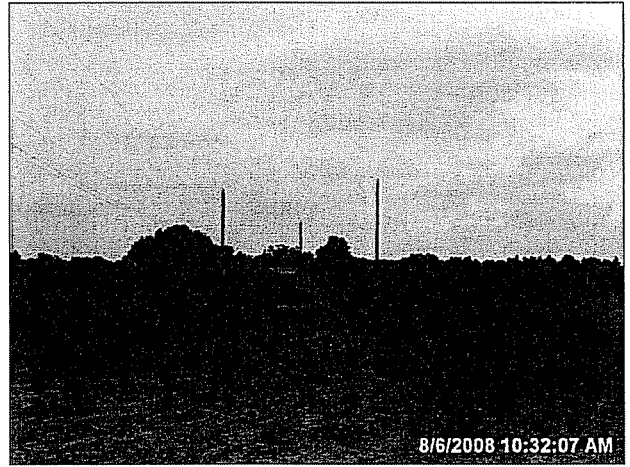
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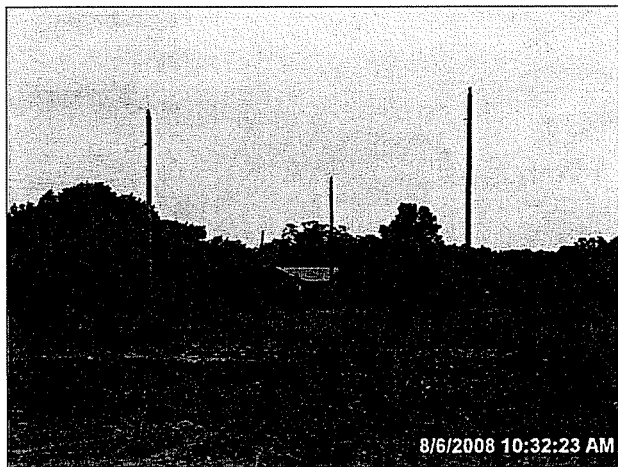
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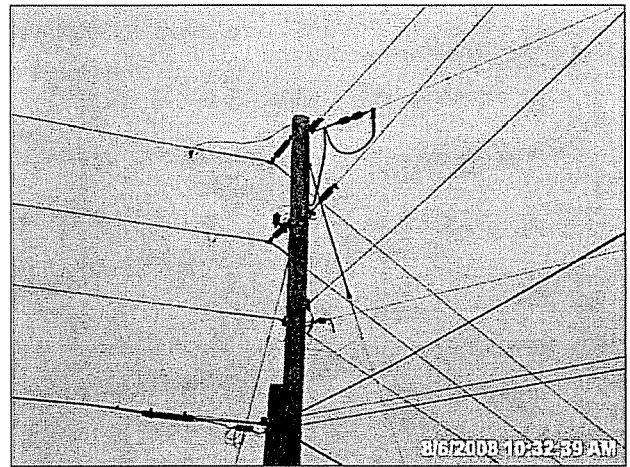
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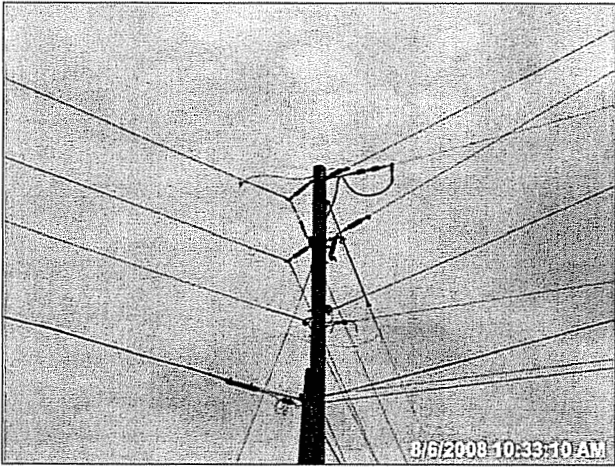
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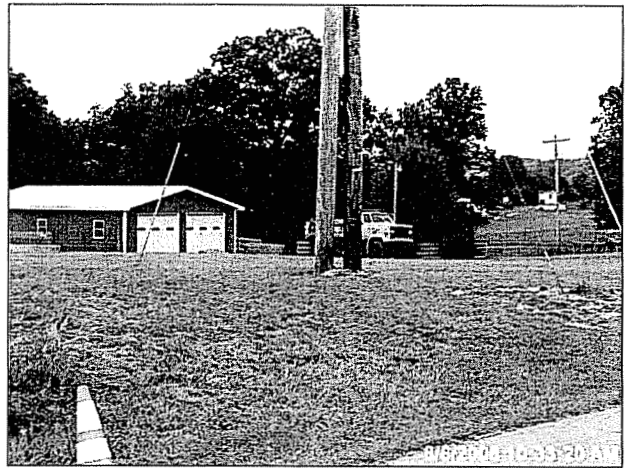
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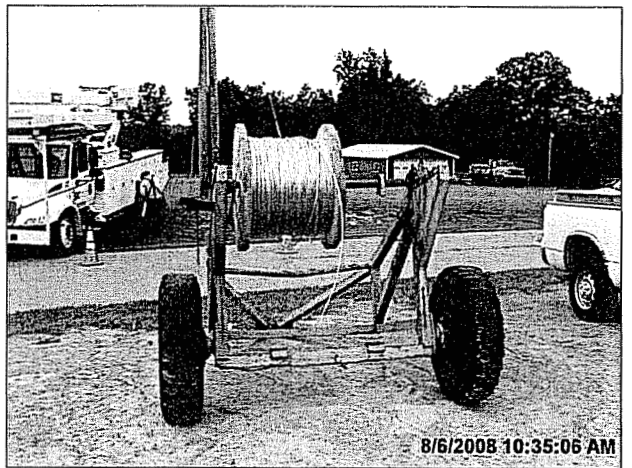
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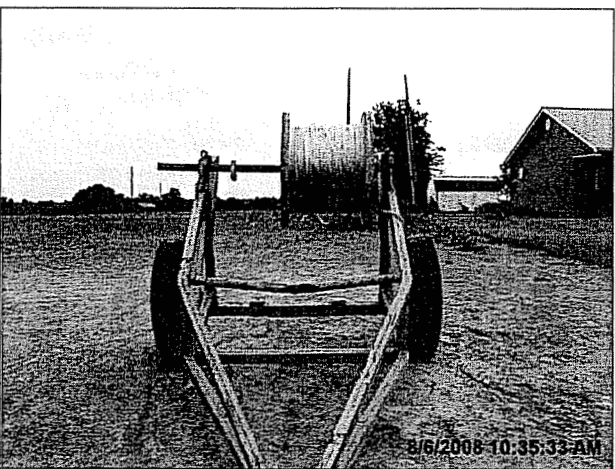
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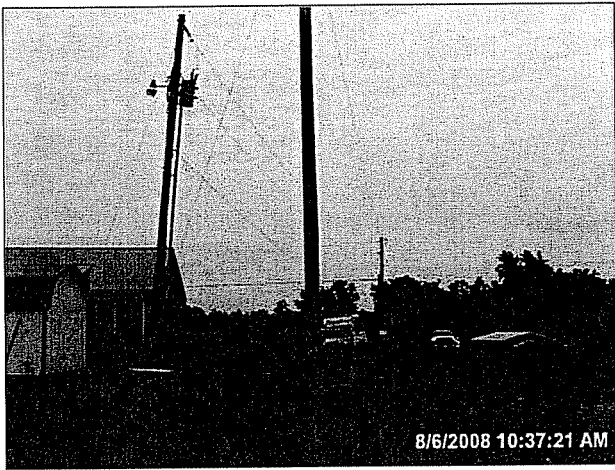
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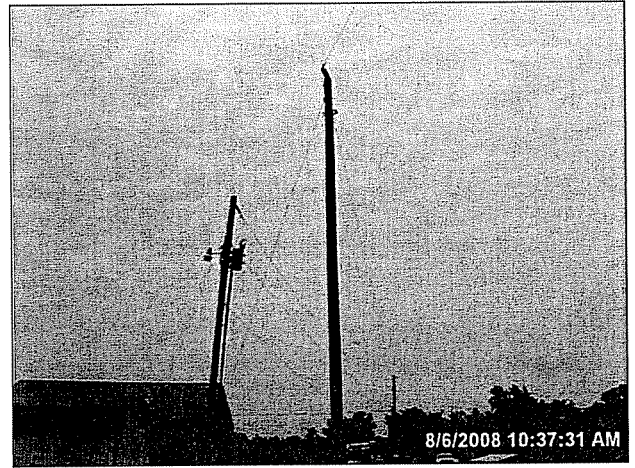
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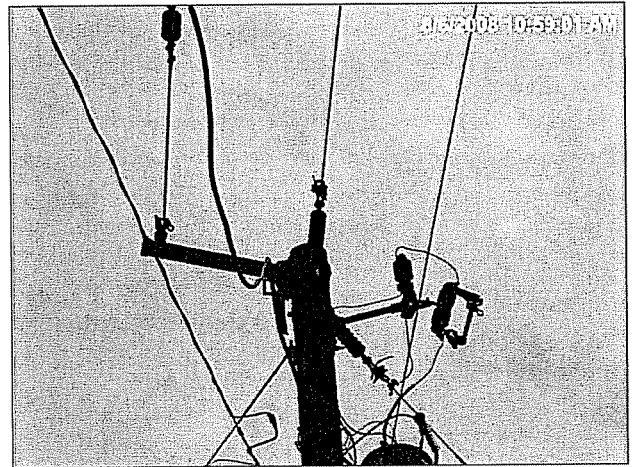
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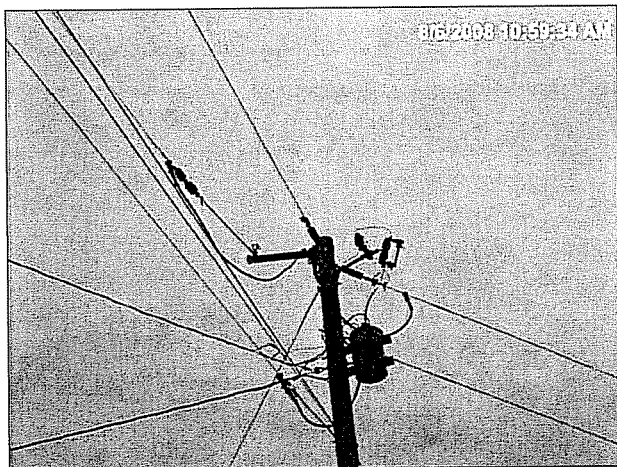
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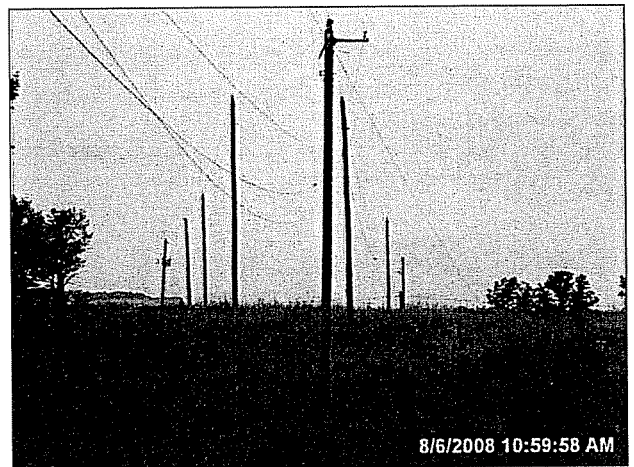
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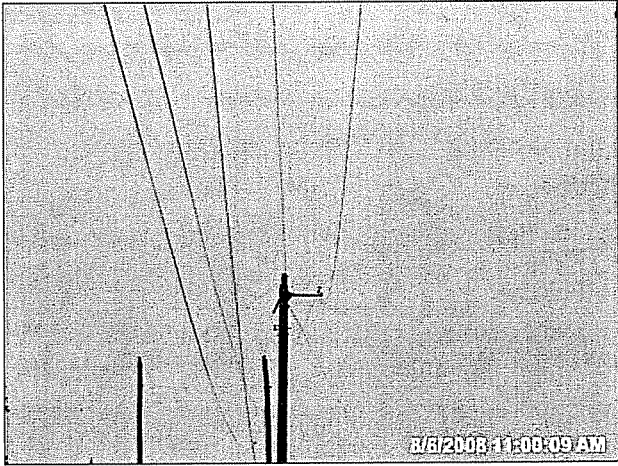
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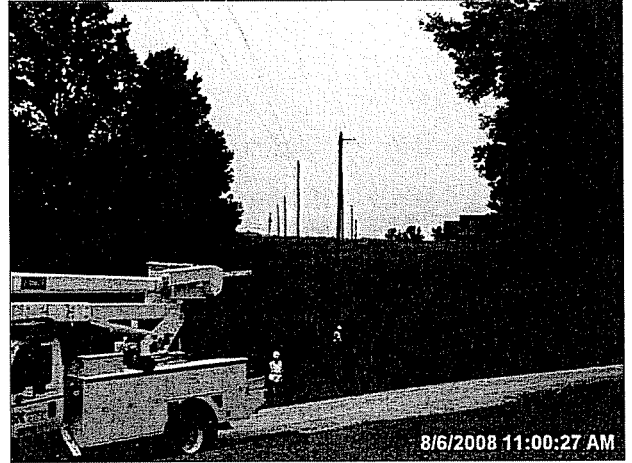
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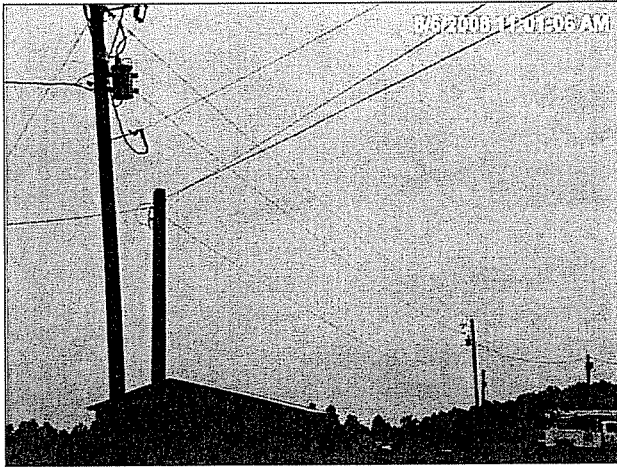
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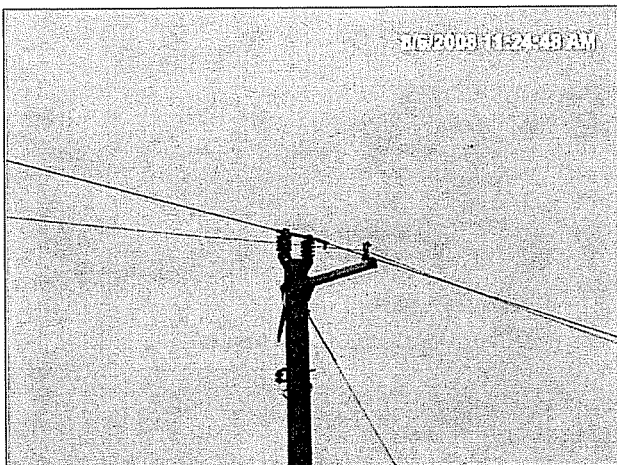
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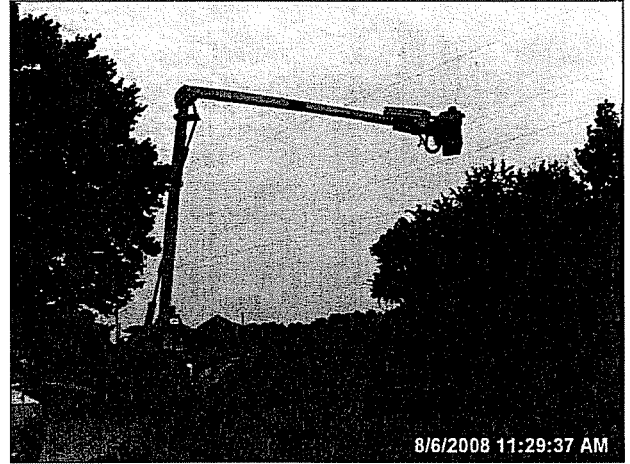
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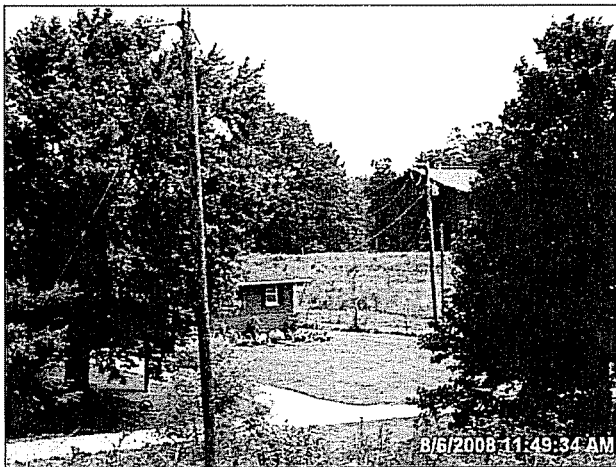
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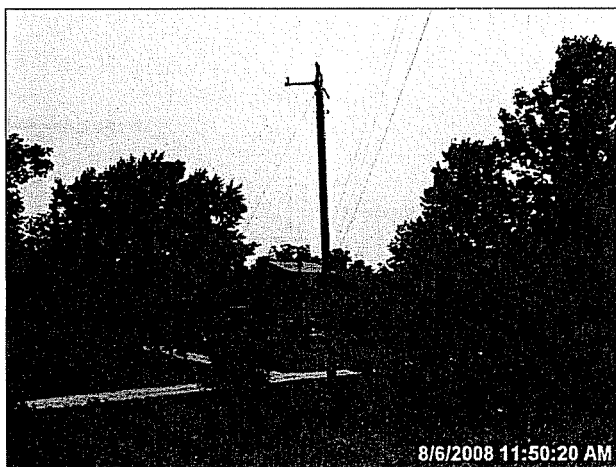
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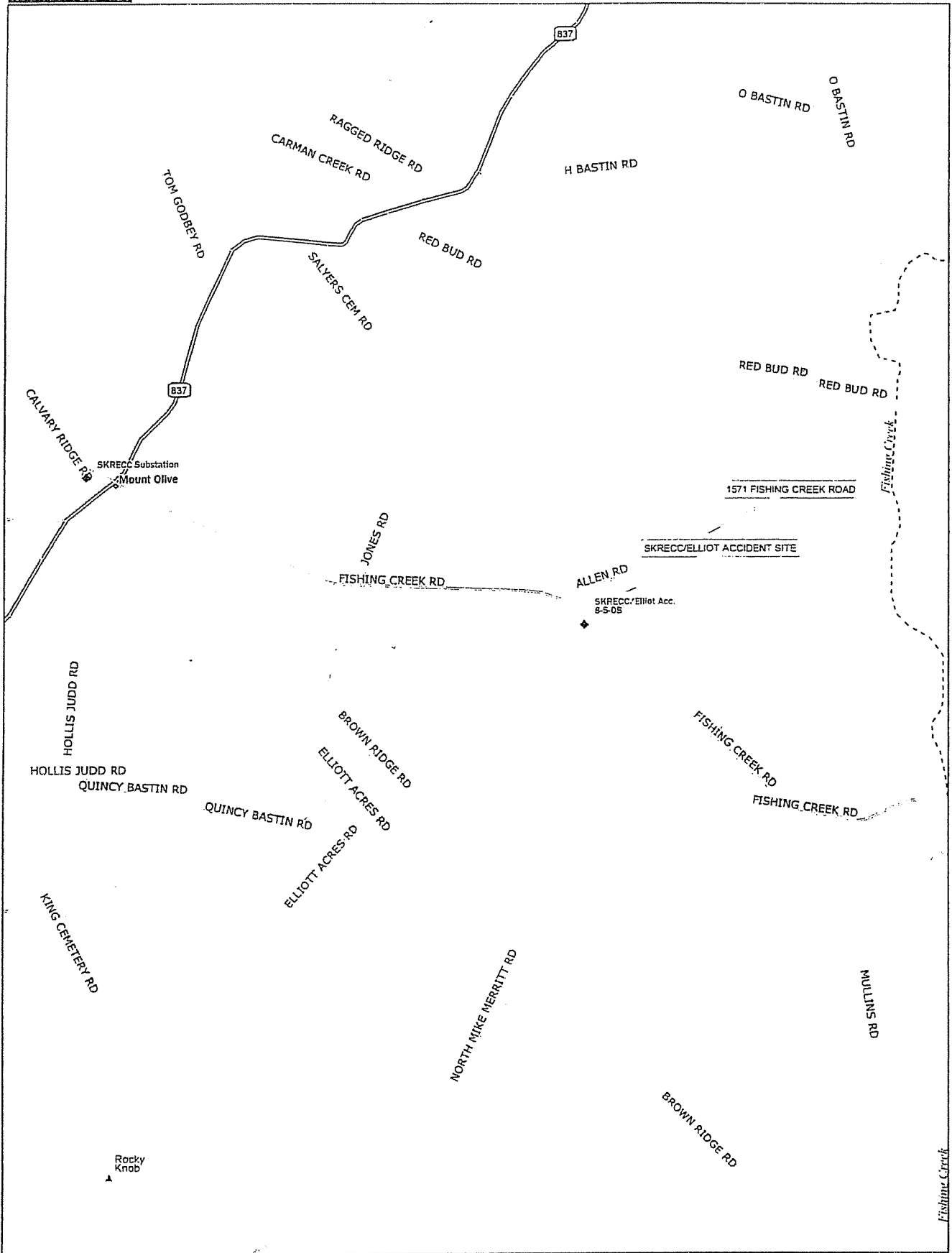
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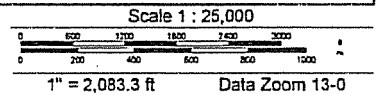
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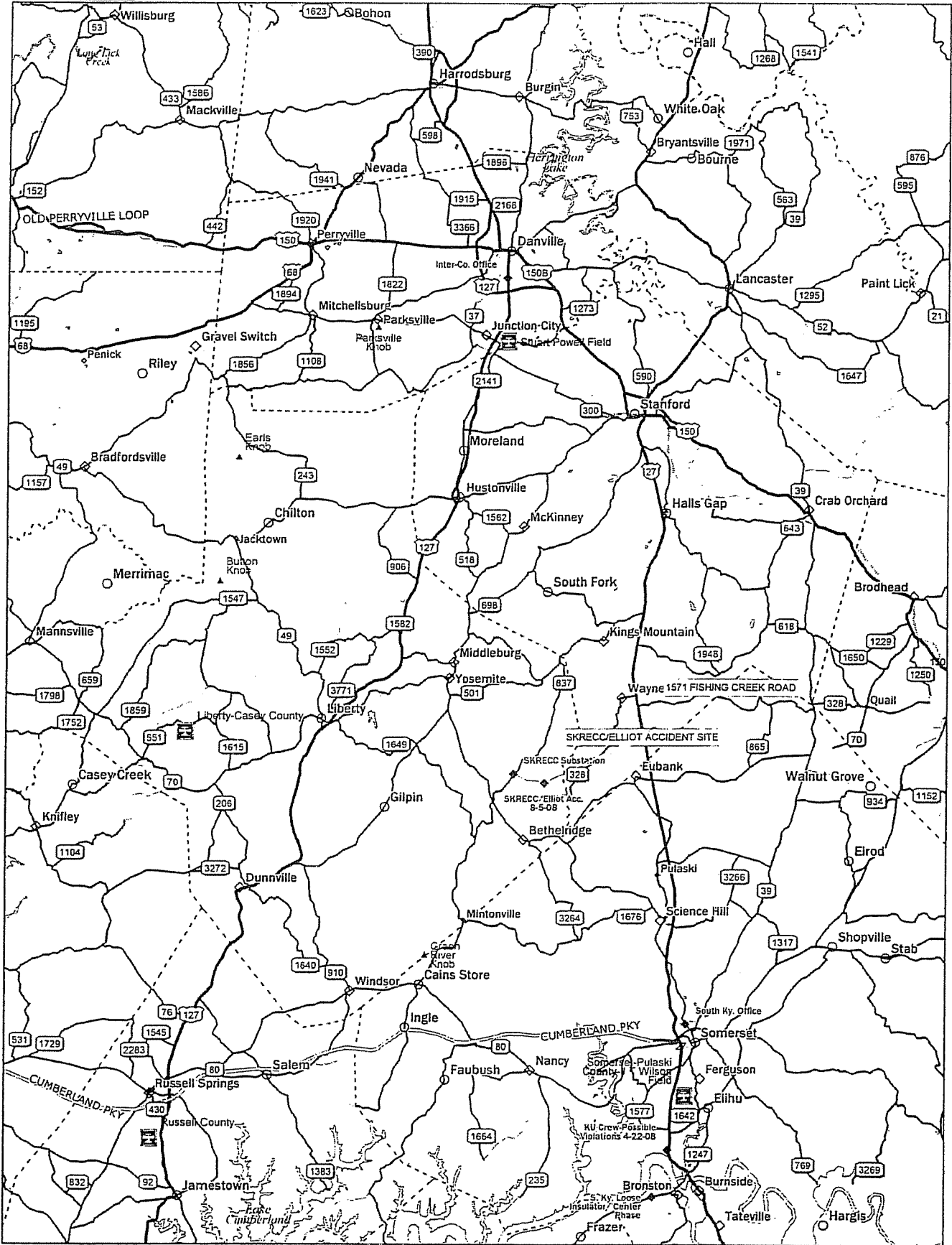


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Data Zoom 9-0

Allen Anderson
Manager
South Kentucky R.E.C.C.
P. O. Box 910
925-929 N. Main Street
Somerset, KY 42502-0910