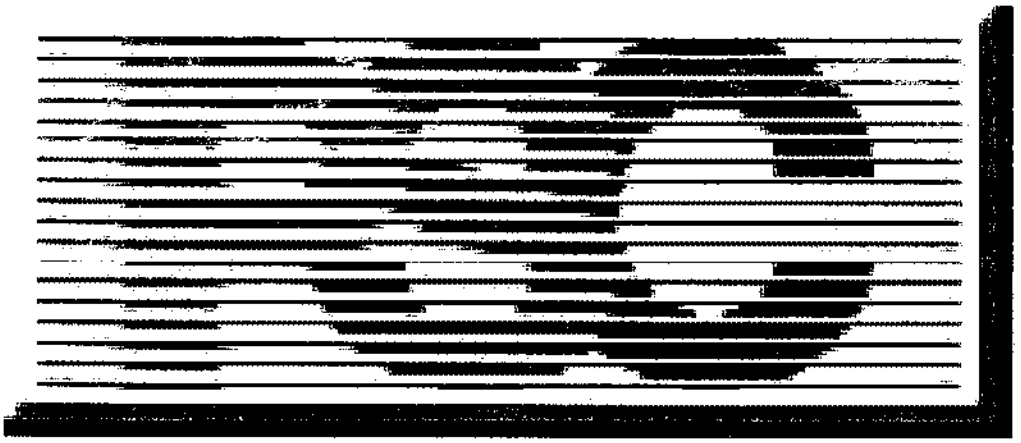


INCIDENT INVESTIGATION ~ Staff Report

Report Date ~ October 8, 2003

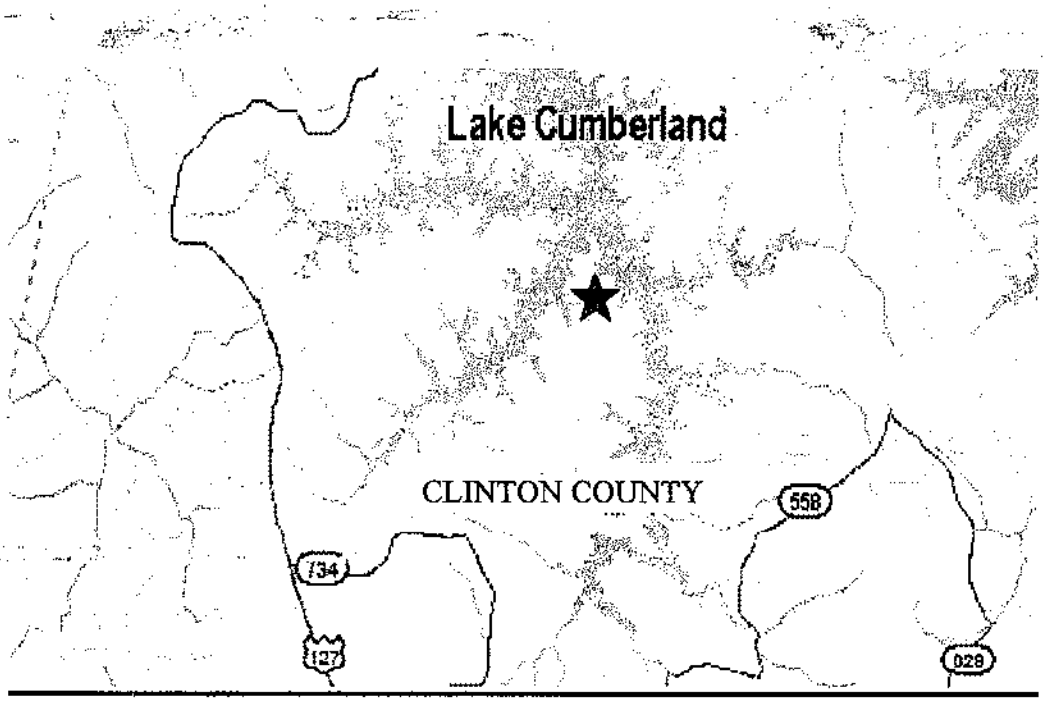
Incident Date ~ September 4, 2003

Serving Utility ~ South Kentucky RECC

Incident Location ~ near Albany, Kentucky

Victim ~ Mr. Mike Ramsey

PSC Lead Investigator ~ Mr. David G. White



Kentucky Public Service Commission

Electric Utility Personal Injury Incident Report

Utillty:	**SOUTH KENTUCKY RECC (SKRECC)**	
Reported By:	Charlie Ball (SKRECC Dispatcher)	
Incident Occurred	September 4, 2003	Approximately 5:35 A.M.
Utility Notified:	September 4, 2003	Approximately 5:35 A.M.
PSC Notified:	September 4, 2003	Approximately 7:45 A.M.
PSC Investigated:	September 12, 2003	
Report Received:	September 9, 2003	
Incident Location:	Near Grider Hill Boat Dock - off KY Hwy 1266; North of Albany, KY	
Incident Description:	A SKRECC crew was working an outage repair job in the early morning hours of Thursday September 4, 2003. The crew consisted of Richard Richardson (Serviceman/Foreman), Mitchell Staton (Serviceman), and Mike Ramsey (Apprentice IV*). The outage involved 1 phase of a 3-phase line near Grider Hill Dock in Clinton Co. An earlier storm had caused a tree to fall across a single-phase tap line approximately 2.5 miles from an open recloser. The single-phase line was connected to the three-phase feeder by a hot line clamp and jumper – no fuse or isolating device (see attached photos). Repair work was being done during dark and rainy conditions with temperatures near 68°. The primary wire (#2 ACSR) was broken approximately 100' NE of pole # 122520 (see maps in SKRECC's report). This was within the 5th span from the three-phase pole on Hwy 1266. The neutral and a CATV span were still intact. The crew had some discussion about killing the line at the take off pole. However, it was decided to work the line "as it was," believing that "it was dead." During the subsequent repair work, Mr. Ramsey climbed pole # 122520. While wearing his rubber gloves, he installed a sling to be used to pull up the damaged wire. At the top of the pole he noticed a damaged clevis (used to attach the wire to the insulator). The clevis would have to be replaced, so Mr. Ramsey began to climb back down. Stopping just above the neutral wire, he removed his rubber gloves. As he removed his safety belt to continue his decent, Mr. Staton noted that he saw an arc as Mr. Ramsey's hands passed by the neutral wire. At that point Mr. Ramsey "pushed off the pole" and yelled. He fell approximately 30 feet to the ground. Mr. Staton stated that Mr. Ramsey was saying "...get it off me, get it off me..." as he lay on the ground following his fall. ** - See Attachment C for definitions of requirements for Apprentice IV level*	

	Summary: It is believed that Mr. Ramsey had incidental contact with the neutral wire, which was in contact with an ungrounded primary line. The damaged line was exposed to a possible back-feed current from three phase connections on the feeder circuit to which it was still connected at the time of the incident. The damp conditions contributed to the "shock" Mr. Ramsey felt, causing his fall. Note: SKRECC has taken disciplinary action according to their policies since this incident. Attachment D is a letter notifying the KPSC of their actions.

Victim:	**Name**		**Address**	**Employer**
	Mike Ramsey		Rt. 4 Box 997A Albany, KY 42602	South Kentucky RECC P.O. Box 910 Somerset, KY 42502
	Fatality	**Age**		
	No	31		
	Injury	Broken pelvis, ribs, and femur; approximately 1 week spent @ UK Medical Center; several surgeries to repair damaged bones.		

Witnesses:	**Name**	**Address**	**Employer**
	Richard Richardson		South Kentucky RECC
	Mitchell Staton		South Kentucky RECC

Information From:	**Name**	**Position**	**Employer**
	Richard Richardson	Foreman/Serviceman	South Kentucky RECC
	Mitchell Staton	Serviceman	South Kentucky RECC
	Richard Randall	Safety Coordinator	South Kentucky RECC
	Carol Wright	System Engineer	South Kentucky RECC
	David G. White	Investigator	PSC Engineering Staff; On-site Investigation

Probable Violations	**807 KAR 5:006 Section 24**: Safety Program (1) & (2) – Violations within the South Kentucky RECC Safety Manual (APPA): 1. Section 601 J (Working on or near Energized Lines) 2. Section 604 D-2 (Use of Rubber Gloves) 3. Section 607 A (Working on De-energized Lines) 4. Section 615 A (Grounding) **807 KAR 5:041 Section 3**: Acceptable Standards (1) – Violations of the following National Electric Safety Code Rules: 1. Section 420 D (Energized or Unknown Conditions) 2. Section 443 A-3 (Work on Energized Lines and Equipment) **NOTE**: See Attachment B for listing of cited rules.

Line/Equipment Measurements/Clearances

Line Clearances At Point of Incident:	Measured	Minimum Allowed by NESC	Applicable NESC Edition[1] 2002	Voltage	Construct Date
Single-Phase Primary Line to Ground Elevation	34'-0"	18'-6"	2002 EDITION	7200	2000
Primary Neutral (Line to Ground Elevation)	29'-9"	15'-6"	2002 EDITION	N/A	2000
Date of Measurement:	September 4, 2003				
Temp & Weather:	Estimated Temp. = 77° & Hazy				
Measurements Made By:	Name		Company		
	Jackson Denham		South Kentucky RECC		

[1] If clearances were not in compliance with the current edition, then the edition in effect when the facilities were last constructed or modified would apply.

Investigated By:	**Name**		**Company**	
	David G. White		PSC Engineering Staff	
Signed:	David G White		**Date**	10/8/03
Reviewed By:	**Name**		**Company**	
	Gary E Grubbs, PE		Mgr. PSC Engineering Staff	
Signed:	Gary E Grubbs		**Date**	10/13/03

Attachments:

A. South Kentucky RECC Incident Report
(Note: South Kentucky's report includes 24 photos that are not included in this report. These photos will be filed at the KPSC office with the remainder of South Kentucky's original report).
B. Text of Cited Violations
C. Requirements of Apprentice IV Lineman
D. Notice of Disciplinary Actions Taken since Incident
E. KPSC Photographs of Incident Site

Kentucky Public Service Commission

Electric Utility Personal Injury Incident Report

Attachment A

South Kentucky RECC Incident Report

South Kentucky RECC
A Touchstone Energy Cooperative

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

September 6, 2003

Mr. David White
Kentucky Public Service Commission
Post Office Box 615
Frankfort, Kentucky 40602

Dear David:

SUBJECT: Investigative Report

Enclosed is the investigative report on the South Kentucky Rural Electric Cooperative Corporation employee accident that occurred on September 4, 2003, involving South Kentucky Rural Electric Cooperative Corporation facilities. The report is where Mike Ramsey, apprentice lineman fell from a pole.

If you require any additional information or have any questions, please contact me.

Sincerely,

SOUTH KENTUCKY RECC

Eddie Black
Safety and Training Team Leader

EB:rhr

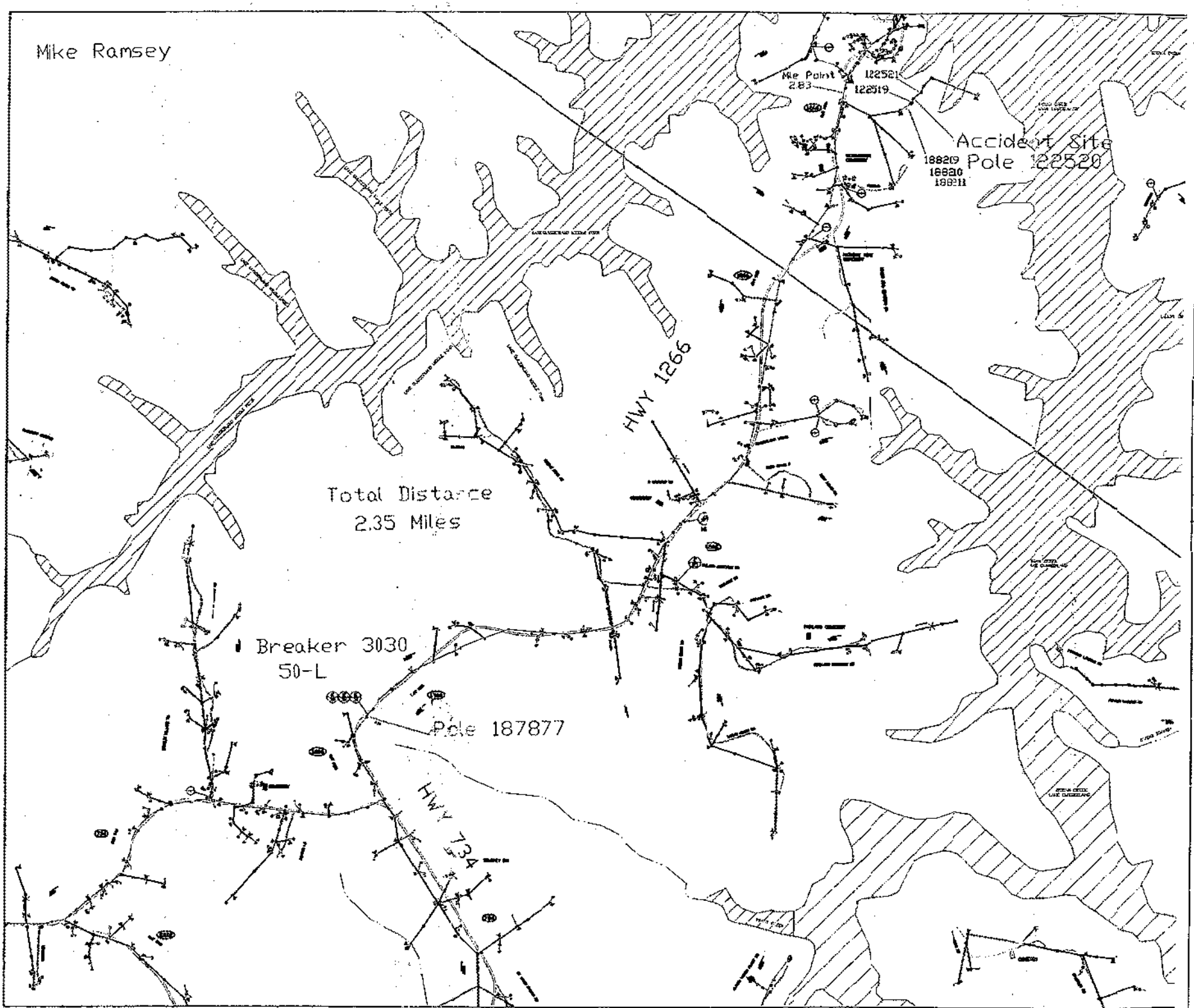
INVESTIGATIVE REPORT

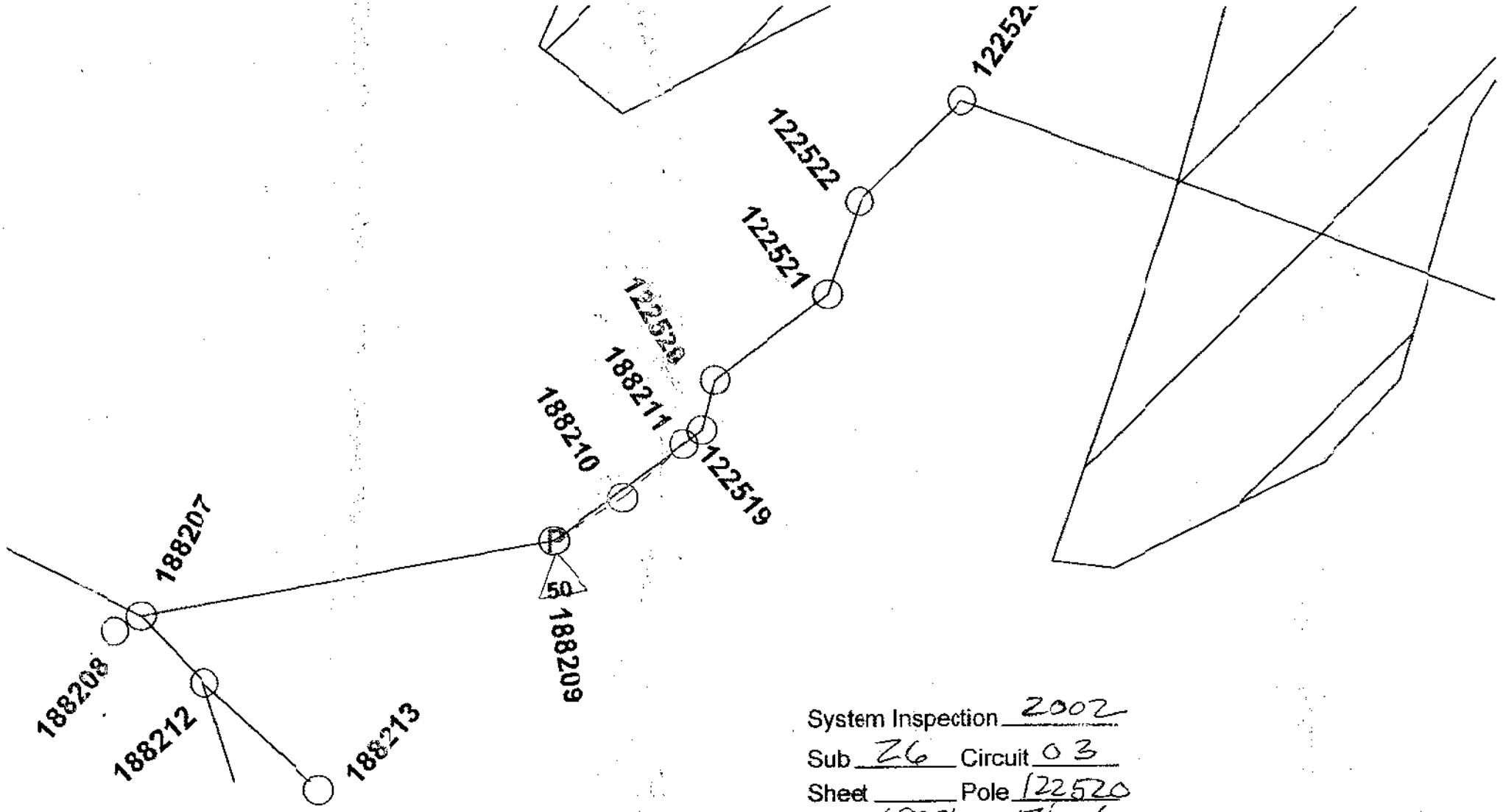
COOPERATIVE:	NAME: SOUTH KY RECC	TELEPHONE: (606) 678-4121
	ADDRESS: 925-929 N. MAIN ST. SOMERSET, KY 42503	
DATE AND TIME OF INCIDENT:	(MM/DD/YY) 9/4/2003 A. M. 5:35 P. M. ____	COOPERATIVE NOTIFIED: (MM/DD/YY) (MM/DD/YY) 9/4/2003 A. M. 5:35 P. M. ____
LOCATION:	Go west on Hwy. 90 in Clinton Co. and turn right (North) on Hwy 734, then right on Hwy. 1266. Go to mile point 2.83 (top of hill before Grider Hill Dock) turn right into Tony Sloan's Driveway. Stay right and go over hill on dirt road, and follow the power line across field and into the woods. About 1/4 mile from the main hwy.	
DESCRIPTION OF ACCIDENT:	At 02:50 am a outage call was received by the 24 hour dispatchers. They called out 2 servicemen Mitchell Staton and Mike Ramsey at the Albany office to investigate. An OCR was open and did have a fault on the A phase of a 3 phase circuit. At 03:45 a third serviceman, Richard Richardson was called out to help find the fault and reduce the time of the outage. It was storming during this period. The fault was located about 2.5 miles from the OCR. This was a tap feeding houses and boatdocks. There was a dead pine tree found that had been burning on the phase conductor and had burnt the # 2 ASCR apart which caused the OCR to operate. The 1st two servicemen cut the tree off the line. Mike Ramsey climbed the A-3 placed a sling on the top of the pole and was preparing to pull up the line when it was discovered the bolt was broken on the clevis and they did not have one. Mike deceided to come down, he removed his rubber gloves, took two steps down and yelled "get it away from me" at which time he may have received an electrical shock. He let go of the pole and fell 30' to the ground.	
INJURED PARTY:	NAME: Mike Ramsey	AGE: [redacted] SS#: [redacted]
	TELEPHONE #: [redacted]	OCCUPATION: Apprentice Lineman
	ADDRESS: Rt. 4 Box 99A Albany Kentucky 42602	
EXTENT OF INJURY:	There is a broken femur, a fractured pelvis and some broken ribs. There was no signs of electrical contact found.	

TREATMENT:	(AMBULANCE, DOCTOR, HOSPITAL, ETC.) Mike Ramsey was transported to Albany Hospital, due to his condition he was transferred to U.K. Medical Center in Lexington. He was scheduled to have surgery on Friday September 5th.	
COOPERATIVE EMPLOYEES AT SCENE:	Mitchell Staton and Richard Richardson	
WITNESSES:	(NAME AND CONTACT #) Mitchell Staton and Richard Richardson South KY Recc 205 Burkesville Road Albany, KY 42602 office #606-387-6476	
LAW OR OTHER OFFICIALS INVESTIGATING:	Eddie Black Safety Team Leader, Richard Randall Safety Team, Jackson Denham Engineering.	
WEATHER AND TERRAIN CONDITIONS:	Had been storming, rainey, drizzle, fog was up, Temperature 68 degrees. Poor access to line, over hill, thru field and then down muddy lane thru woods.	
SYSTEM PROFILE:	(VOLTAGE TYPE AND SIZE CONDUCTOR, TYPE POLE STRUCTURES, POLE #, ETC) 7200 volt primary, #2 ASCR conductor, A-3 structure, pole # 122520	
EQUIPMENT PROTECTIVE DEVICES:	(TYPE, LOCATION, RATING, DID THEY OPERATE, POLE #.) There was a 50-L breaker #3030 located on pole # 187877 that did operate and open the fault. This breaker or OCR was 2.35 miles from the accident site.	
DID OUTAGE OCCUR?	YES X DATE: 9/4/2003 NO _____ TIME: 2:50	A. M. X P. M. DURATION: 3 hours primary 3 phase 9 hours on tap
WAS CO-OP NOTIFIED OR AWARE OF WORK IN THE AREA - EXPLAIN.	These were South KY RECC employees that were working on the outage.	
CLEARANCES:	CATV cable was 24'7", neutral was 29'9", phase was 34' at pole base to ground level. See attached drawing and pictures.	
AGENCY INVOLVED:	Dead pine fell on line, causing it to burn down.	

ADDITIONAL COMMENTS:	Last inspection of line was 07/22/02. Last construction on line was 05/14/00.

PREPARED BY:	Richard Randall	SAFETY AND TRAINING COORDINATOR	9/5/2003	(606) 678-4121
	SIGNATURE	JOB TITLE	DATE	TELEPHONE #


Mike Ramsey
Mile Point
2.83
122521
122519
Accident Site
Pole 122520
188219
188210
188211
HWY 1266
Total Distance
2.35 Miles
Breaker 3030
50-L
Pole 187877
HWY 734

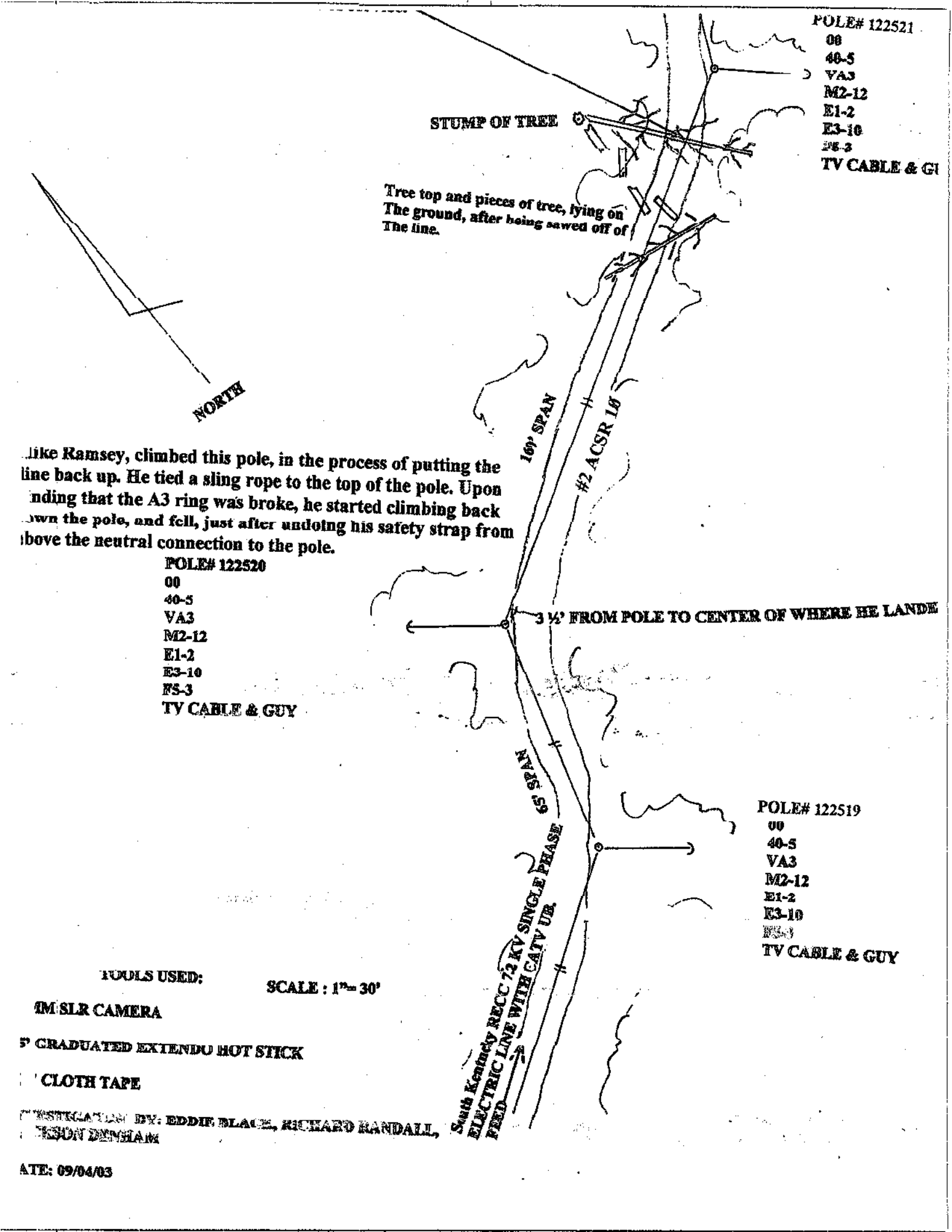


System Inspection 2002

Sub 26 Circuit 03

Sheet _____ Pole 122520

Block 6828 Date 7/23/02


POLE# 122521
00
40-5
VA3
M2-12
E1-2
E3-10
FS-3
TV CABLE & GI
STUMP OF TREE
Tree top and pieces of tree, lying on The ground, after being sawed off of The line.
NORTH
16' SPAN
#2 ACSR 1Ø
like Ramsey, climbed this pole, in the process of putting the line back up. He tied a sling rope to the top of the pole. Upon nding that the A3 ring was broke, he started climbing back wn the pole, and fell, just after undoing his safety strap from bove the neutral connection to the pole.
POLE# 122520
00
40-5
VA3
M2-12
E1-2
E3-10
FS-3
TV CABLE & GUY
3 ½' FROM POLE TO CENTER OF WHERE HE LANDE
65' SPAN
South Kentucky RECC 7.2 KV SINGLE PHASE ELECTRIC LINE WITH CATV UG FEED
POLE# 122519
00
40-5
VA3
M2-12
E1-2
E3-10
FS-3
TV CABLE & GUY
TOOLS USED:
SCALE : 1"= 30'
M SLR CAMERA
5' GRADUATED EXTENDU HOT STICK
' CLOTH TAPE
STIGATION BY: EDDIE BLACE, RICHARD RANDALL,
SON DENHAM
ATE: 09/04/03

Attachment B

Text of Cited Violations

National ELECTRICAL Safety Code®

C2 - 2002

Published by the Institute of Electrical and Electronics Engineers, Inc.

Section 42.
General Rules for Employees

420. Personal General Precautions

A. Rules and Emergency Methods

1. Employees shall carefully read and study the safety rules, and may be called upon at any time to show their knowledge of the rules.
2. Employees shall familiarize themselves with approved methods of first aid, rescue techniques, and fire extinguishment.

B. Qualifications of Employees

1. Employees whose duties require working on or in the vicinity of energized equipment or lines shall perform only those tasks for which they are trained, equipped, authorized, and so directed. Inexperienced employees shall: (a) work under the direction of an experienced and qualified person at the site, and (b) perform only directed tasks.
2. If an employee is in doubt as to the safe performance of any assigned work, the employee shall request instructions from the employee's supervisor or person in charge.
3. Employees who do not normally work on or in the vicinity of electric supply lines and equipment but whose work brings them into these areas for certain tasks shall proceed with this work only when authorized by a qualified person.

C. Safeguarding Oneself and Others

1. Employees shall heed safety signs and signals and warn others who are in danger or in the vicinity of energized equipment or lines.
2. Employees shall report promptly to the proper authority any of the following:
   a. Line or equipment defects such as abnormally sagging wires, broken insulators, broken poles, or lamp supports
   b. Accidentally energized objects such as conduits, light fixtures, or guys
   c. Other defects that may cause a dangerous condition
3. Employees whose duties do not require them to approach or handle electric equipment and lines shall keep away from such equipment or lines and should avoid working in areas where objects and materials may be dropped by persons working overhead.
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.
6. Employees should exercise care when extending metal ropes, tapes, or wires parallel to and in the proximity of energized high-voltage lines because of induced voltages. When it is necessary to measure clearances from energized objects, only devices approved for the purpose shall be used.

D. Energized or Unknown Conditions

Employees shall consider electric supply equipment and lines to be energized, unless they are positively known to be de-energized. Before starting work, employees shall perform preliminary inspections or tests to determine existing conditions. Operating voltages of equipment and lines should be known before working on or in the vicinity of energized parts.

E. Ungrounded Metal Parts

Employees shall consider all ungrounded metal parts of equipment or devices such as transformer cases and circuit breaker housings, to be energized at the highest voltage to which they are exposed, unless these parts are known by test to be free from such voltage.

on energized equipment or circuits, a tag shall be placed at the reclosing device location.

EXCEPTION: If the automatic reclosing feature of a reclosing device is disabled by a Supervisory Control and Data Acquisition System (SCADA), the system shall provide for the following:

a. At the SCADA Operating Point

(1) A signal is received by the SCADA operator confirming that the disabling operation has occurred at the reclosing device location, and

(2) A readily visible tag or electronic display is used to inform any potential SCADA operator that a disabling operation has been initiated, and

(3) The tag or electronic display is removed before action is taken to reenable the automatic reclosing feature.

b. At the Reclosing Device Location

(1) The reclosing feature is disabled in such a manner as to prevent manual override of the normal control by any potential on-site operator, or

(2) A signal, flag, or other display is used in such a manner as to alert any potential on-site operator that the reclosing feature has been disabled.

3. The required tags shall be placed to clearly identify the equipment or circuits on which work is being performed.

F. Restoration of Service After Automatic Trip

1. When circuits or equipment upon which tags have been placed open automatically, the circuits or equipment shall be left open until reclosing has been authorized.

2. When circuits open automatically, local operating rules shall determine in what manner and how many times they may be closed with safety.

G. Repeating Oral Messages

Each employee receiving an oral message concerning the switching of lines and equipment shall immediately repeat it back to the sender and obtain the identity of the sender. Each employee sending such an oral message shall require it to be repeated back by the receiver and secure the latter's identity.

443. Work on Energized Lines and Equipment

A. General Requirements

1. When working on energized lines and equipment, one of the following safeguards shall be applied:

a. Insulate employee from energized parts

b. Isolate or insulate the employee from ground and grounded structures, and potentials other than the one being worked on.

2. Employees shall not place dependence for their safety on the covering (nonrated insulation) of wires. All precautions (see Section 44) for working on energized parts shall be observed.

3. All employees working on or in the vicinity of lines or equipment exposed to voltages higher than those guarded against by the safety protective equipment provided shall assure themselves that the equipment or lines on which they are working are free from dangerous leakage or induction, or have been effectively grounded.

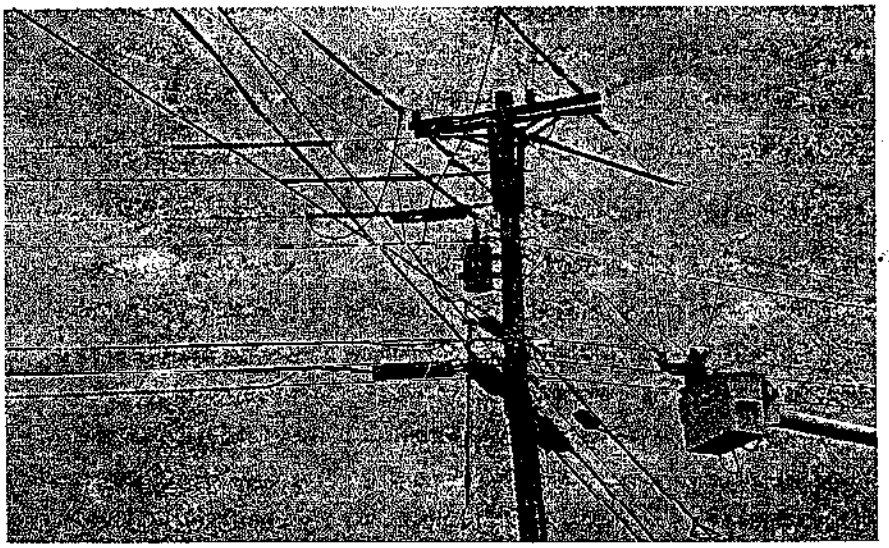
4. Cutting Into Insulating Coverings of Energized Conductors

a. A supply cable to be worked on as de-energized that cannot be positively identified or determined to be de-energized shall be pierced or severed at the work location with a tool designed for the purpose.

b. Before cutting into an energized supply cable, the operating voltage shall be determined and appropriate precautions taken for handling conductors at that voltage.

APPA

Safety Manual



South Kentucky RECC

A Touchstone Energy® Cooperative

SECTION 601

f) Employees may not work on equipment or lines in any position from which a shock or slip will tend to bring the body toward exposed parts that are at a potential different from the employee's body.

g) In connecting de-energized equipment or lines to an energized circuit by means of a conducting wire or device, employees shall first attach the wire to the de-energized part. When disconnecting, employees shall remove the source end first. Loose conductors shall be kept away from exposed energized parts.

h) When work is performed in the vicinity of exposed energized parts of equipment, employees shall remove or render nonconductive all exposed conductive articles, such as key or watch chains, rings, or wrist watches or bands.

i) Employees shall immediately report to the nearest supervisor any defective line, apparatus or tool, or other condition, which in their judgement may be dangerous either to persons or property or likely to interrupt or delay service.

j) Electrical equipment and lines shall always be considered "live" unless they are positively known to be dead by testing and grounding. Before starting to work, preliminary inspection or test shall be made to determine what conditions exist. Care shall be exercised to handle neutral wires with the same caution that is used with energized wires.

k) Secondary windings of current or series transformers shall be short-circuited before any instrument or other device connected in the circuit is removed or disconnected.

l) Employees must evaluate existing conditions that relate to the safety of the work to be performed before work is started.

m) When two or more employees are working on the same structure, they shall only work on or contact the same conductor at one time.

n) For additional information concerning overhead distribution and transmission requirements, refer to OSHA Standard 29 CFR 1910.269.

SECTION 604-D

located, or that are located close to energized lines or equipment where an employee could make contact. The rubber gloves should be put on before the employee ascends a pole or structure or raises an aerial device off the ground or device's cradle. Furthermore, employees should not remove the gloves until they have descended the pole or structure or returned the aerial device to the ground or cradle. As a minimum requirement, gloves shall be put on before the employee comes within falling or reaching distance (in any event not less than 5 feet) of unprotected energized circuits or apparatus or those that may become energized, and they shall not be removed until the employee is entirely out of falling or reaching distance of such circuits or apparatus. Employees shall refer to Utility policy regarding additional rubber glove requirements

d) In addition, rubber gloves shall be worn during the following conditions:

(1) Working on or within falling or reaching distance of conductors, electrical equipment, or metal surface (crossarms. crossarm braces, or transformer cases), which are not effectively grounded and which may be or may become energized.

(2) During wet or stormy weather, working on or within falling or reaching distance of any conductor or equipment that may be or may become energized at any voltage.

(3) Required by supervision.

(4) Removing lead sheath and sleeves from cables and joints and opening or cutting cables (until they have been proven to be de-energized at the work location by positive tests).

(5) Making statiscope tests on cables.

(6) Operating manually controlled air-break switches.

(7) Opening and closing manually operated oil circuit breakers.

(8) Using approved switch sticks or live-line tools for opening, closing, removing, or replacing hot clamps, fuses, or fuse doors on cutouts or when making or breaking any circuit and during inclement weather.

n) The minimum clearance distances for live-line bare-hand work shall be as specified in Tables 6.1 through 6.4. These minimum clearance distances shall be maintained from all grounded objects and from lines and equipment at a different potential than that to which the insulated aerial device is bonded unless such grounded objects or other lines and equipment are covered by insulated guards. These distances shall be maintained when approaching and leaving and when bonded to the energized circuit.

o) The use of handlines between buckets, booms, and the ground is prohibited.

p) No conductive materials more than 36 inches long shall be placed in the bucket, except for appropriate length jumpers, armor rods, and tools.

q) Uninsulated equipment or material shall not be passed between a pole or structure and an aerial lift while an employee working from the bucket is bonded to an energized part.

r) Nonconductive type handlines may be used from line to ground when not supported from the bucket.

s) A minimum clearance table (as shown in Table 6.1) shall be printed on a plate of durable nonconductive material and mounted in the bucket or its vicinity so as to be visible to the operator of the boom.

t) Insulated measuring sticks shall be used to verify clearance distances.

607 Working on De-Energized Lines and Equipment

a) General. All conductors and equipment shall be treated as energized until tested and grounded.

b) New Construction: New lines or equipment may be considered de-energized and worked as such under the following conditions:

(1) The lines or equipment are grounded, or

(2) The hazard of induced voltages is not present, and adequate clearances or other means are implemented to prevent contact with energized lines or equipment and the new lines or equipment.

l) Work on dead-end towers shall require grounding on all de-energized lines.

m) Grounds may be removed as soon as the work is completed, provided that the line is not left open-circuited at the isolated tower at which work is being completed.

n) When performing work from the structures, clipping crews and all others working on conductors, subconductors, or overhead ground conductors shall be protected by individual grounds installed at every work location.

615 Grounding--General

a) All previously energized conductors shall be considered energized until tested and properly grounded.

b) New Construction: New lines or equipment may be considered de-energized and worked as such where:

(1) The lines or equipment are grounded, or

(2) The hazard of induced voltage is not present and adequate clearances or other means are implemented to prevent contact with energized lines or equipment and the new lines or equipment.

c) Communication Conductors: Bare-wire communication conductors on power poles or structures shall be treated as energized lines unless protected by insulating materials.

d) Voltage Testing: De-energized conductors and equipment, which are to be grounded, shall first be tested for the presence of voltage.

e) Attaching and removing grounds:

(1) When attaching grounds, the ground end shall be attached first, and the other end shall be attached and removed by means of insulating tools.

(2) When removing grounds, the grounding device shall first be removed from the line or equipment using insulating tools.

f) Grounds shall be placed between work location and all sources of energy and as close as practicable to the work location, or grounds shall be placed at the work location. If work is to be performed at more than one location in a line section, the line section must be grounded

Attachment C

Requirements of Apprentice IV Lineman

South Kentucky Rural Electric Cooperative Corporation

Apprentice I

- Educational Requirements:
  - High School or G.E.D.
- Job Requirements:
  - No fear of heights
  - Physically able to lift up to 150 pounds
  - Demonstrate a good attitude and willingness to work, learn and follow instructions
  - Minimum of six months, Maximum one year
  - Terminate by six months if in judgement of Team Leader, Lead Lineman and Foreman has not demonstrated progressive ability to perform.
  - Must be willing to work odd hours, overtime as needed and inclimate weather
- Training Requirements:
  - Two weeks field training and safety training before joining crew.
  - Must be in the process of learning to climb off the job and training field.
  - Must have CDL Class B license before advancing beyond Apprentice I
  - Must complete one year NUS training
  - Must learn to operate a bucket
  - Know material & tools
  - Perform a number of times on a job before crew before performing along
  - Pole framing
  - Must be under Supervision of Lineman or Lead Lineman

South Kentucky Rural Electric Cooperative Corporation

Apprentice II

- Training Requirements:
  - Must have met all qualifications for Apprentice I
  - Completed two weeks training
  - Climb with confidence and follow all safety rules
  - Begin learning pole framing and ground wiring and know before leaving Apprentice II
  - Be studying Specification Manual and Safety Manual
  - Demonstrates beginning knowledge of Cooperative lines, direction of feeds, Cooperative Guidelines and Service Territory
  - Be able to perform with confidence all basic single line work off of a pole before leaving Apprentice II
  - Field demonstration proving ability to climb, frame poles, do ground wiring, perform safely and with a convincing level of confidence to satisfaction of Foreman and Safety Director
  - Complete second year of NUS Training

South Kentucky Rural Electric Cooperative Corporation

Apprentice III

- Training Requirements:
  - Must have met all qualifications for Apprentice II
  - Must complete third year NUS
  - Demonstrate working knowledge of safety and Specification names and proceedings
  - Must be able to frame all routine poles
  - Be a skilled climber performing work and knowledgeable use of tools
  - Demonstrate progressing knowledge of line voltages, Line feeds, Loop Asrfa and guidelines
  - Must have satisfactory ability to use bucket and digger and follow all safety procedures
  - Performance test in field by Safety Director, Lead Lineman, Foreman, Steam Leader to approve moving to next level

South Kentucky Rural Electric Cooperative Corporation

Apprentice IV

- Training Requirements:
  - Must have satisfactorily met all qualifications for Apprentice III
  - Must have completed all NUS Training
  - Basically perform all line work under Foreman or Lead Lineman, but requiring very little supervision
  - Demonstrates all necessary qualifications to be a good lineman
  - Continues to demonstrate a good attitude, safe work habits, willing to be a team player
  - Very acceptable work ethics
  - Before leaving Apprentice IV, should be able to perform most all work without presence of Lead Lineman or Foreman

Attachment D

Notice of Disciplinary Actions Taken Since Incident

South Kentucky RECC
A Touchstone Energy® Cooperative

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

September 25, 2003

Mr. David White
Public Service Commission
Post Office Box 615
Frankfort, Kentucky 40602-0615

RE: Mike Ramsey Accident
September 4, 2003

Dear Mr. White:

I wanted to inform you of the actions SKRECC has taken concerning the accident that occurred on September 4th in our Albany service area. In accordance to our Safety Plan, which includes disciplinary actions for Safety violations, the two servicemen at the accident site were suspended one week without pay. The violation will remain on their record for 24 months. A second violation within the 24 month timeframe in the same penalty level will be grounds for dismissal. The injured employee will receive the same discipline once he returns to work.

We also had mandatory Safety meetings with all field personnel discussing the accident and the Safety violations along with retraining on proper grounding procedures.

We can provide documentation of these actions at your request.

If we can provide any additional information for your final report, please let me know.

Sincerely,

SOUTH KENTUCKY RECC

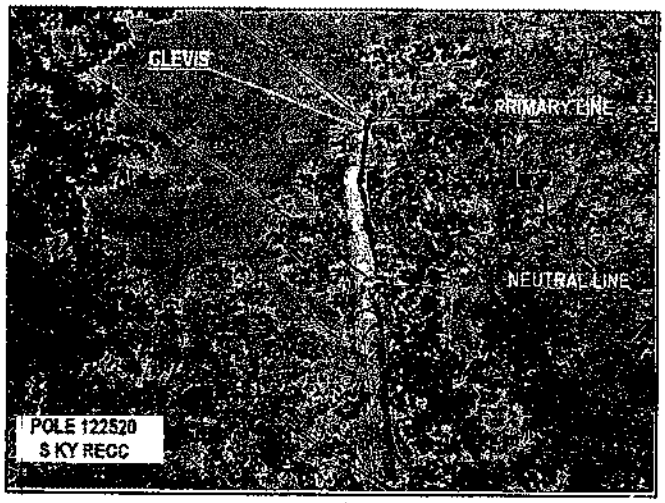
Carol Wright
Chief Operating Officer

CW:cgw

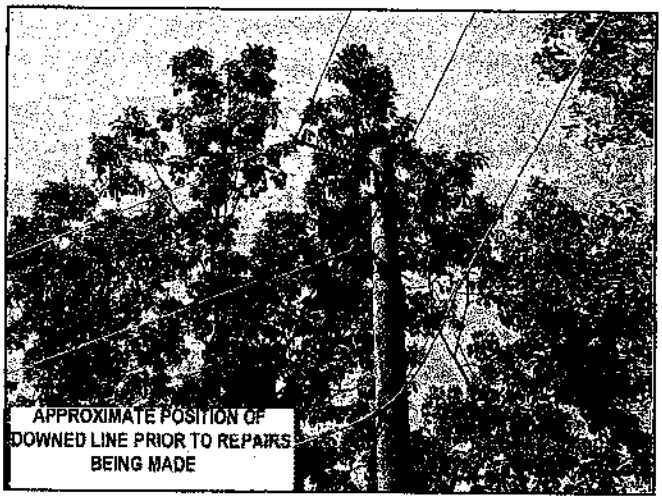
k:RamseyAccident.cw.cgw

Attachment E

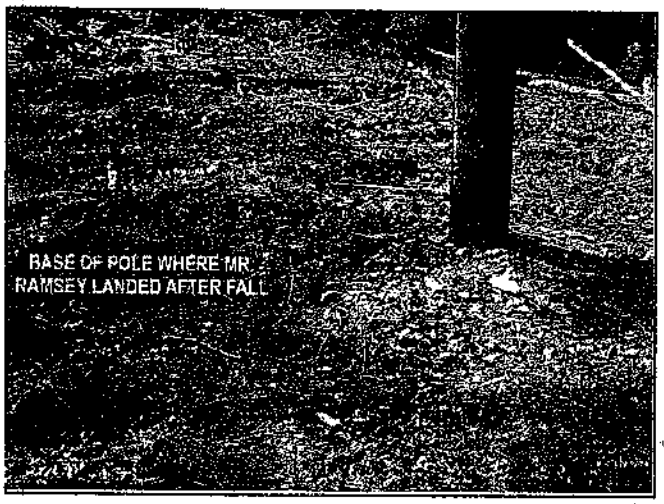
KPSC Photographs of Incident Site



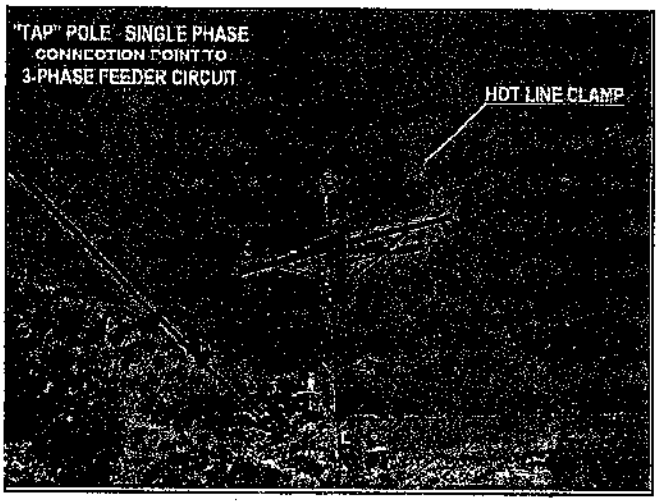
RELATED POLE HARDWARE



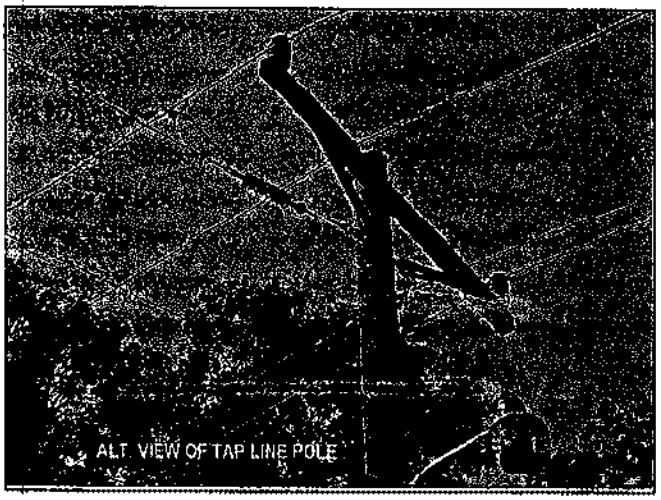
LINE WAS HANGING WHEN INCIDENT OCCURRED



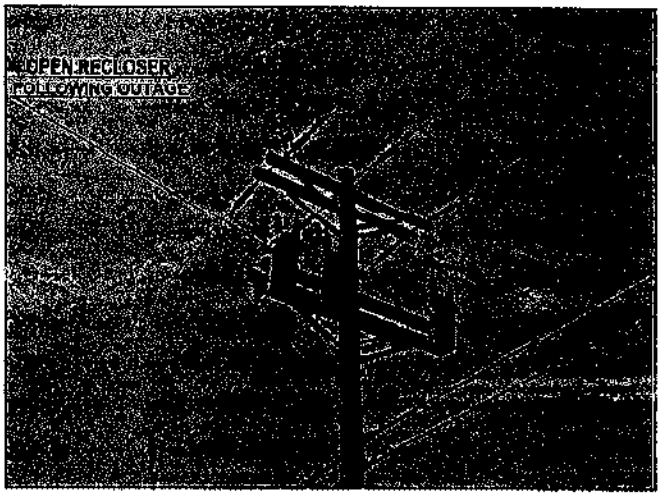
AREA WHERE MR. RAMSEY LANDED



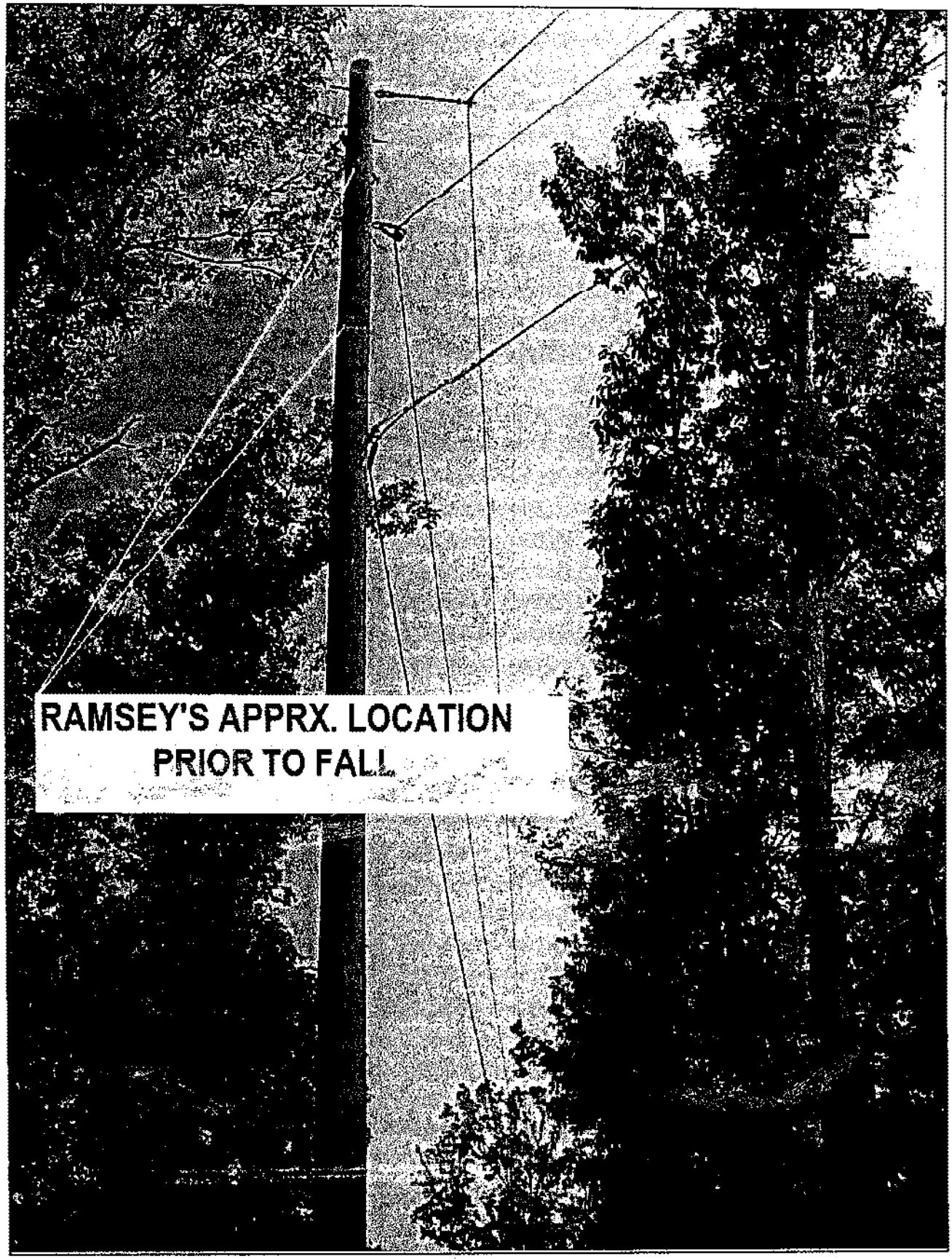
TAP POLE ON HWY 1266



VIEW 2 OF TAP POLE



RECLOSER POLE (LEFT PHASE)



POLE # 122520 – SITE OF INCIDENT