

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

JACKSON PURCHASE ENERGY CORPORATION	)	
	)	
	)	CASE NO. 2014-00437
_____	)	
	)	
ALLEGED FAILURE TO COMPLY WITH	)	
KRS 278.042	)	

ORDER

Jackson Purchase Energy Corporation ("JPEC"), a Kentucky corporation which engages in the distribution of gas and electricity to the public for compensation for light, heat, power, and other uses, is a utility subject to Commission jurisdiction.<sup>1</sup>

KRS 278.042 requires the Commission to ensure that each electric utility constructs and maintains its plant and facilities in accordance with accepted engineering practices as set forth in the Commission's administrative regulations and orders and in the most recent edition of the National Electrical Safety Code ("NESC").

KRS 278.030 requires every utility to furnish adequate, efficient and reasonable service. KRS 278.260 permits the Commission, upon its own motion, to investigate any act or practice of a utility that affects or is related to the service of a utility. KRS 278.280(1) further permits the Commission, after conducting such investigation and finding that a practice is unreasonable, unsafe, improper, or inadequate, to determine

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<sup>1</sup> KRS 278.010(3)(a).

the reasonable, safe, proper, or adequate practice or methods to be observed and to fix same by Order.

Commission Staff submitted to the Commission an Incident Investigation Report ("Report"), regarding this incident, which is attached as Appendix A. The Report alleges that on February 19, 2014, Dakota Frazier, a member of a crew working for T&D Solutions Company, which had been contracted by JPEC to perform line work, sustained injuries while performing a pole change out in an overhead three-phase circuit when he, while carrying a guy-line, made contact with the energized bottom phase conductor at 6874 Contest Road, Paducah, McCracken County, Kentucky.<sup>2</sup> One four-person work crew was tasked with this assignment. The work crew at the incident job site included crew leader Chad Culp, victim Dakota Frazier, Joe Simmons, and Austin Culp. All four members of the incident work crew provided statements to JPEC's incident investigative team. In their statements, all of the crew members, except Mr. Frazier, admitted that Mr. Frazier was not wearing the proper personal protective equipment ("PPE") when he made contact with the conductor.

T&D Solutions also submitted to JPEC an incident report in which it stated, as a basic causal factor of Mr. Frazier's injury, "Time pressure – foreman felt pushed by [JPEC] to get service restored." Several of the statements by the crew also referenced the fact that Philip Kendell, a representative of JPEC, came to the job site and told the

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<sup>2</sup> JPEC's original Report of Incident stated the location of the incident was 7525 Old Houser Road, Paducah, Kentucky. On December 10, 2014, JPEC amended its report via an electronic mail message, attached hereto as Appendix B, to state the address of the incident as 6874 Contest Road, Paducah, Kentucky. On December 15, 2014, Scott Ribble, Vice President of Engineering and Operations at JPEC, submitted a letter authenticating the amendment to its report, attached hereto as Appendix C.

T&D Solutions crew that JPEC told its customers the power would be back on between 9 a.m. and 11 a.m. that morning, whereas the T&D Solutions crew believed they had more time in which to complete the work.

On February 19, 2014, at approximately 2:12 p.m. Central Standard Time ("CST"), Mr. Frazier was standing on the ground with Chad Culp and Austin Culp. Mr. Simmons was in a bucket completing aerial work. The conductors were attached to the pole and insulating covers were removed from the energized lines by Mr. Simmons. Chad Culp told both Austin Culp and Mr. Frazier to wear rubber gloves while working with the guy wire. However, Mr. Frazier grabbed the guy-wire without his gloves on and was attempting to pull it to a ground anchor by hand when the guy-wire made contact with the bottom phase conductor, resulting in a shock to both of Mr. Frazier's arms. Chad Culp and the other crew members examined Mr. Frazier and did not observe any visible marks. Mr. Frazier apparently said that he was not injured. The crew then completed the job, including reenergizing the recloser, before taking Mr. Frazier to the emergency room. Mr. Frazier was treated and released from the emergency room at 7:20 p.m. CST that evening.

JPEC learned about this incident and Mr. Frazier's treatment at the emergency room on the day of the incident, February 19, 2014. The next day, February 20, 2014, a representative from JPEC contacted Commission Staff via e-mail at 12:28 p.m. Eastern Standard Time to inform Commission Staff of the incident.

Based on Commission Staff's investigation of the incident as set forth in the Report, the information provided by JPEC in its seven-day summary report (Attachment A to the Report), Commission Staff alleges that JPEC, through its contracted employee

T&D Solutions, has violated multiple provisions of the NESC. The eight alleged violations are identified as follows:

1. Failure to observe proper safety procedure on the job site to ensure the safety of all individuals involved.

a. NESC, Part 4, Section 42, Rule 420.C.4 – Work Rules for the Operation of Electric Supply and Communication Lines and Equipment – General Rules for Employees – General – Safeguarding Oneself and Others – 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.

b. NESC, Part 4, Section 42, Rule 421.A.1 - Work Rules for the Operation of Electric Supply and Communication Lines and Equipment – General Rules for Employees – General Operating Routines – Duties of a first-line Supervisor or person in charge. This person shall adopt such precautions as are within the individual's authority to prevent accidents.

c. NESC, Part 4, Section 42, Rule 421.A.2 - Work Rules for the Operation of Electric Supply and Communication Lines and Equipment – General Rules for Employees – General Operating Routines – Duties of a first-line Supervisor or person in charge. This person shall see that all safety rules and operating procedures are observed by employees under the direction of this individual.

2. Failure to wear proper personal protective equipment.

a. NESC, Part 4, Section 42, Rule 420.H – Work Rules – General Rules for Employees – General – 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 they are in good condition.

b. NESC, Part 4, Section 44, Rule 441.A.1.a/b – Work Rules – Additional Rules for Supply Employees – Energized Conductors and Parts – Minimum Approach Distance to

Energized Lines or Parts – General – Employees shall not approach or bring conductive objects within the minimum approach distance listed in Table 441-1 or Table 441-4 or distances as determined by an engineering analysis 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, rubber gloves, or rubber gloves with sleeves, shall be considered effective insulation for employee from energized line or part being worked on.

- c. NESC Part 4, Section 44, Rule 44.A.1.a/b – Work Rules – Additional Rules for Supply Employees – Work on Energized Lines and Equipment – General Requirements – When working on energized lines and equipment, one of the following safeguards shall be applied: a. Insulate employees from energized parts; b. Isolate or insulate the employee from ground and grounded structures, and potentials other than the one being worked on.

3. Failure to observe the required minimum approach distance to energized lines or parts.

- a. NESC, Part 4, Section 42, Rule 420.C.5 – Work Rules for the Operation of Electric Supply and Communication Lines and Equipment – General Rules for Employees – General – Safeguarding Oneself and Others – No employee shall approach or bring any conductive object, without a suitable insulating handle, closer to any exposed energized part than allowed by Rule 432 (communication) or Rule 441 (supply), as applicable.
- b. NESC, Part 4, Section 44, Rule 441.A.1 (Table 441-1, pg. 284).

Based on its review of the Report and being otherwise sufficiently advised, the Commission finds that prima facie evidence exists that JPEC has failed to comply with KRS 278.042 and the most recent edition of the NESC. Additionally, based on Commission Staff's investigation of the incident as set forth in the Report and the information provided by JPEC in its utility incident report, the Commission finds that

prima facie evidence exists that JPEC failed to comply with 807 KAR 5:006, Section 27, which states, in pertinent part:

- (1) Within two (2) hours following discovery each utility, other than a natural gas utility, shall notify the commission by telephone or electronic mail of a utility related accident that results in:
  - a. Death or shock or burn requiring medical treatment at a hospital or similar medical facility, or any accident requiring inpatient overnight hospitalization.

We further find that a formal investigation into the incident that is the subject matter of the Report should be conducted and that this investigation should also examine the adequacy, safety, and reasonableness of JPEC's practices related to the construction, installation and repair of electric facilities, as well as JPEC's efforts to ensure that contractors performing utility-related work comply with the appropriate provisions of the Commission's rules and regulations, and the rules set forth in the NESC. This investigation will also determine whether JPEC violated any of the above referenced rules and regulations and, if it did, whether any reason exists why penalties should not be assessed under KRS 278.990.

The Commission, on its own motion, HEREBY ORDERS that:

1. JPEC shall submit to the Commission, within 20 days of the date of this Order, a written response to the allegations contained in the Report and the alleged violation of 807 KAR 5:006, Section 27, as set forth in the findings above.

2. JPEC shall additionally address its efforts to ensure sufficient oversight and contractual obligations are in place to confirm contractors remain aware of and routinely adhere to applicable construction standards and safety rules contained in the NESC, including those specifically cited in the Report. JPEC shall explain how its on-

site monitoring of contractor performed work includes reviewing the specific tasks being performed and safety precautions in place, especially when work is being performed in the vicinity of energized lines. JPEC shall provide the Commission with specific evidence of its efforts to ensure that contractors performing utility-related work comply with the appropriate provisions of the Commission's rules and regulations, including the NESC. This information shall include any descriptive monitoring reports, meeting minutes or other communications with electric contractors covering safe work practices and training requirements.

3. JPEC shall appear on March 17, 2015, at 10:00 a.m. Eastern Daylight Time, in Hearing Room 1 of the Commission's offices at 211 Sower Boulevard in Frankfort, Kentucky, for the purpose of presenting evidence concerning the alleged violations of KRS 278.042, the most recent edition the NESC, and 807 KAR 5:006, Section 27, and showing cause why it should not be subject to the penalties prescribed in KRS 278.990(1) for these alleged violations.

4. At the scheduled hearing in this matter, JPEC shall also present evidence on the adequacy, safety, and reasonableness of its practices related to the construction, installation and repair of electric facilities as they relate to the facts of this case and whether such practices require revision as related to this incident.

5. The March 17, 2015 hearing shall be recorded by videotape only.

6. The Report in Appendix A is made a part of the record in this case.

7. 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.

By the Commission

ENTERED  
JAN 06 2015  
KENTUCKY PUBLIC  
SERVICE COMMISSION

ATTEST:



Executive Director



APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 2014-00437 DATED **JAN 06 2015**



Steven L. Beshear  
Governor

David L. Armstrong  
Chairman

Leonard K. Peters  
Secretary  
Energy and Environment Cabinet

Commonwealth of Kentucky  
Public Service Commission  
211 Sower Blvd.  
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Frankfort, Kentucky 40602-0615  
Telephone: (502) 564-3940  
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psc.ky.gov

James W. Gardner  
Vice Chairman

Charles Borders  
Commissioner

## ACCIDENT INVESTIGATION STAFF REPORT

Report Date: March 17, 2014

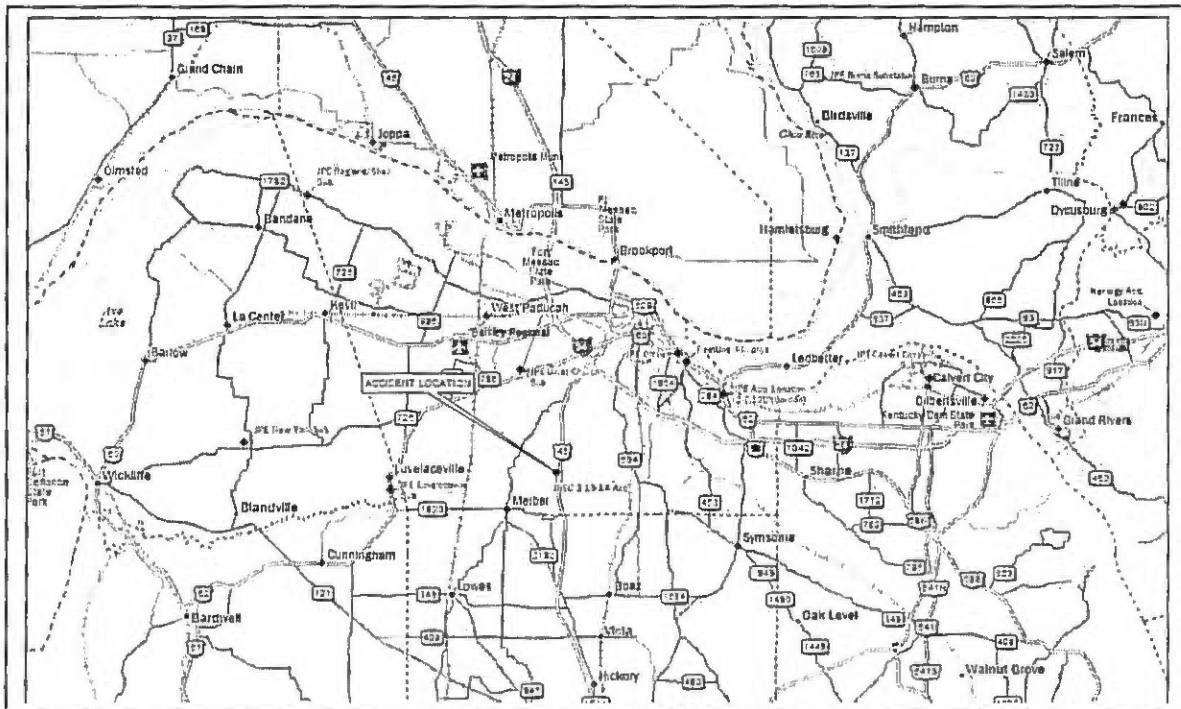
Accident Date: February 19, 2014

Serving Utility: Jackson Purchase Energy Corporation

Accident Location: 6874 Contest Road, Lone Oak Community,  
Paducah, Kentucky, McCracken County

Accident Victim: Dakota Frazer

PSC Investigator: Steve Kingsolver





# Kentucky Public Service Commission

Electric Utility Personal Injury Incident Report

**Utility:** Jackson Purchase Energy Corporation  
(Jackson Purchase)

**Reported By:** Scott Ribble  
VP of Engineering and Operations

**Incident Occurred:** Approximately 2:12 PM (CT), February 19, 2014

**Utility Discovered:** Approximately 5:19 PM (CT), February 19, 2014

**PSC Notified:** Approximately 12:28 PM (ET), February 20, 2014

**Report Received (E-mail):** Approximately 3:27 PM (ET), February 26, 2014

**Report Received (Mail):** February 27, 2014, 2013

**PSC On-Site Investigation:** Approximately 10:00 Am (CT), February 21, 2014

## **Incident Description:**

This accident took place at 6874 Contest Road, Paducah, McCracken County, Kentucky, at approximately 2:12 PM (Central Time) on February 19, 2014. The job being performed was a pole change out (Replacing Pole) in an overhead three phase circuit. The job was being performed by a contract crew working for a contract company, T&D Solution Company, which is employed by Jackson Purchase Energy Corporation to perform line work. The victim, Dakota Frazer, employed by T&D Solutions, was working on the ground at the time of this accident. The victim's job title at the time of this accident was Apprentice and had been employed by T&D solutions for approximately 2 months. The victim had been instructed by the foreman to attach the new down guys to the new anchor rods. The victim grabbed one of the down guys and started walking toward the anchor rod. At this point, the down guy made contact with the energized bottom phase conductor. The victim felt a shock during this process, but there were no burns on the victim's body. The victim was taken to the hospital where he was evaluated and released the same day.

From information received during this investigation, it appears that the victim was not wearing the proper personal protective equipment at the time of this accident and did not comply with the minimum approach distance requirements.

The information in this description was provided to this investigator by employees of Jackson Purchase Energy and T&D Solutions. The names of these employees will be listed in the body of this report.

See the utility summary report attached to this report for additional information concerning this accident. (See Attachment A)

<b>Victim:</b>	<b>Name:</b>	<b>Position:</b>	<b>Employer:</b>
	Dakota Frazer	Apprentice	T&D Solutions

<b>Witnesses:</b>	<b>Name:</b>	<b>Position</b>	<b>Employer:</b>
	Chad Culp	Crew Foreman	T&D Solutions
	Joe Simmons	Lineman	T&D Solutions
	Austin Culp	Apprentice	T&D Solutions

**Note:** Statements from these T&D Solution employees are part of the Utility Summary Report.  
(See Attachment A)

<b>Information From:</b>	<b>Name:</b>	<b>Position:</b>	<b>Employer:</b>
	Scott Ribble	VP, Operations and Engineering	Jackson Purchase
	Murray Riley	Safety Coordinator	Jackson Purchase
	Brian Baldwin	Safety Department	T&D solutions
	Chase Tucker	Safety Department	T&D solutions

**Temp & Weather:** Clear and warm. Approximately 60°

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**FINDINGS:**

It is the investigator's opinion that T&D Solutions, a contractor for Jackson Purchase Energy Corporation, did not meet or exceed the following requirements set forth in the National Electrical Safety Code (NESC)

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**RELEVANT CODES, STATUTES, REGULATIONS, OR SAFETY MANUAL ISSUES THAT ARE PERTINENT TO THE INVESTIGATION**

**278.042**      **Service adequacy and safety standards for electric utilities**  
**National Electrical Safety Code**

- (1) For the purposes of this section, "NESC" means the National Electrical Safety Code as published by the Institute of Electrical and Electronics Engineers, Inc.
- (2) Except as otherwise provided by law, the commission shall, in enforcing service adequacy and safety standards for electric utilities, ensure that each electric utility constructs and maintains its plant and facilities in accordance with accepted engineering practices as set forth in the commission's administrative regulations and orders and in the most recent edition of the NESC.

Effective: June 24, 2003

History: Created 2003 Ky. Acts Ch. 84, sec. 1, Effective June 24, 2003.

**2012 National Electric Safety Code:**  
**See 2012 NESC Code to view each rule in its entirety.**

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**#1:**  
**National Electrical Safety Code**

- Part 4:            Work Rules for the Operation of Electric Supply and Communication Lines and Equipment
- Section 42:        General Rules for Employees
- #420:             General
- 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 432 (communication) or Rule 441 (supply), as applicable.  
(Page 269)

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**#2:****National Electrical Safety Code**

Part 4: Work Rules  
Section 42: General rules for employees  
#420: General

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 they are in good condition.  
(Page 270)

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**#3:****National Electrical Safety Code**

Part 4: Work Rules  
Section 42: General rules for employees  
#421: General Operating Routines

A: Duties of a first-line 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 all safety rules and operating procedures are observed by employees under the direction of this individual.  
(Page 272)

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**#4:****National Electrical Safety Code**

Part4: Work Rules  
Section 44: Additional rules for supply employees  
#441: Energized conductors and parts

A: Minimum approach distance to energized lines or parts

#1: General  
Employees shall not approach or bring conductive objects within the minimum approach distance listed in Table 441-1 or Table 441-4 or distances as determined by an engineering analysis 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, rubber gloves, or rubber gloves with sleeves, shall be considered effective insulation for employee from energized line or part being worked on.

- c. The energized line or part is insulated from the employee and from any line or part at a different voltage.  
(Page 280)

Table 441-1 AC live work minimum approach distance

7.2 / 12.5kV

0.750 Volts to 15 kV – Phase to Phase: 2' 2"

(Page 284 Table 441-1)

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**#5:**

**National Electrical Safety Code**

Part 4: Work Rules

Section 44: Additional rules for supply employees

#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.  
(Page 288)

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**Investigated By:** \_\_\_\_\_ **Name:** \_\_\_\_\_ **Company:** \_\_\_\_\_  
Steve Kingsolver KPSC

**Signed:** 

**Date:** 3-17-14

**Attachments:**

- A. Utility Incident Report
- B. KPSC Photographs of Accident Site
- C. KPSC Map of Accident Site
- D. KPSC Notification from Jackson Purchase



**Attachment A**

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**Utility Incident Report**

Jackson Purchase Energy Corporation (JPEC)  
Report of Incident on February 19, 2014

Incident Time: 2/19/2014 @ 2:10 pm CT  
Weather: Partly cloudy with temps in the mid 50's  
Cause: Contact with primary wire  
Affected Personnel: Dakota Frazer (T&D Contractor)

**Summary of Incident**

At 5:19 pm CT, Murray Riley (JPEC safety coordinator) received a phone call from Bryan Baldwin (T&D safety personnel) about a contact that had happened earlier in the day (2:10 pm. CT) involving T&D apprentice Dakota Frazer. The following information JPEC has put together through contractor statements, JPEC employees and dispatcher outage history.

T&D had been charged with completing a pole change out at 7525 Old Houser Rd. Paducah, KY. The job consisted of replacing a 45 foot pole with C-4 framing with a slight angle and 4 down guys, a transformer and two underground feeds. The crew began their work between 9 – 9:30am and de-energized the two underground feeds at roughly 10:45am. At one o'clock JPEC dispatcher tried to contact the T&D crew to check on their status but could not make contact with the crew either by radio or telephone. Dispatch contacted Phillip Kendall (Operations Supervisor) and informed him that the crew could not be contacted. Phillip arrived on the job site at 1:40 pm, talked with the foreman and then left to check on another job in the area. Around 2:05pm the lead lineman Joe Simmons completed the work on top of the pole and removed his cover up and brought it to the ground to be handed off for storage. The foreman (Chad Culp) instructed the apprentice Dakota Frazer to put on rubber gloves and install the down guy in the existing anchor. The foreman is in the process of walking back to a truck to retrieve a plumb bob to aid with straightening the pole when the apprentice makes contact with the guy wire to the bottom phase on the pole. The recloser, located roughly 2.5 miles away operated and locked out under the hot line tag protection that had been activated earlier that morning at 9:30 am as the up line protection on this job. The apprentice, who did not follow the instructions of the foreman by wearing his rubber gloves, received a shock when the contact was made. Dakota told his foreman he was ok, and they reenergized the recloser at approximately 2:15 pm. After completing the job, the apprentice was taken the ER to be checked out and contact was made with Murray Riley at 5:19pm informing JPEC about the contact. The following day Thursday February 20 at 11:28 an email was sent to the PSC informing them about the incident.

**Damage Summary:**

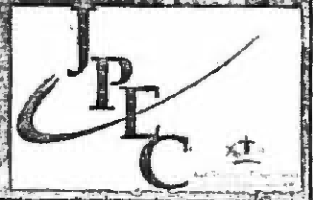
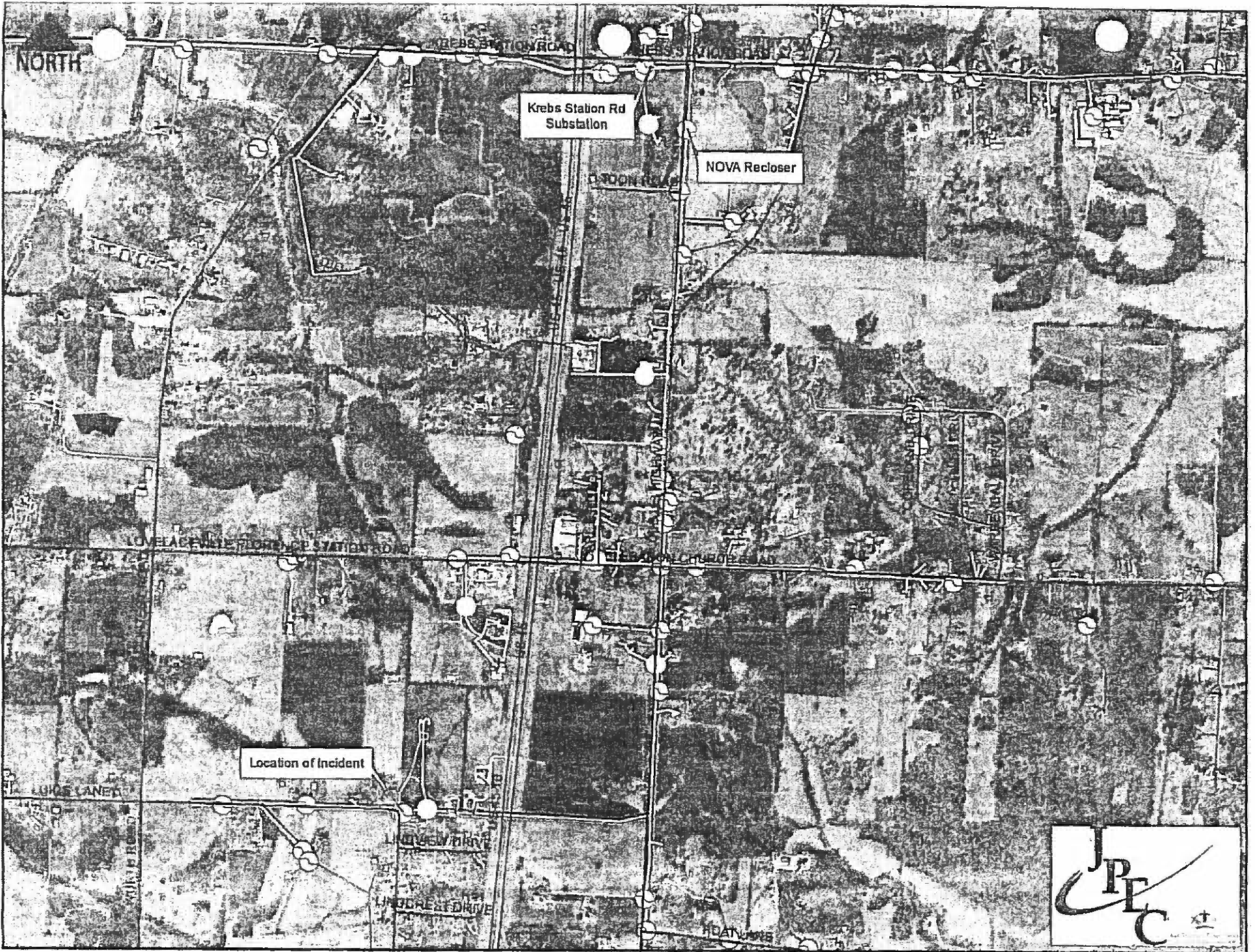
No damage to any property or equipment

Jackson Purchase Energy Corporation (JPEC)  
Report of Incident on February 19, 2014

**List of Attachments:**

- A. Facility Map of area Involved
- B. Utility Photographs
- C. Copy of JPEC Outage Report
- D. Copy of T&D Job Briefing
- E. System Protective Device
- F. Construction Dates of Involved Facilities  
(Birthmark is unable to be read, picture included)
- G. Statements of T&D Crews

# Exhibit A



# Exhibit B

**Drug Test Completed:**

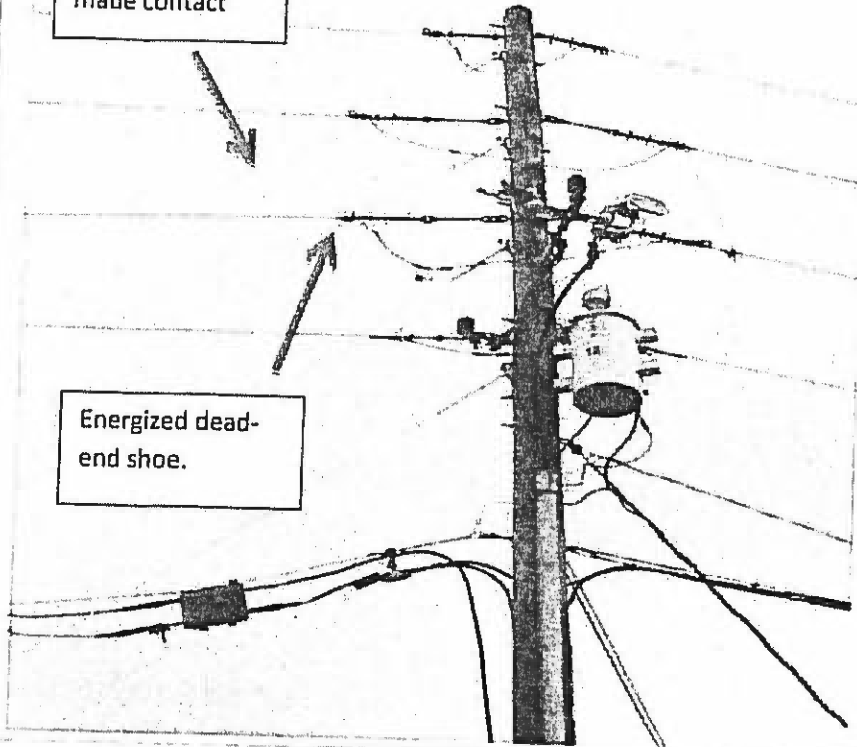
None

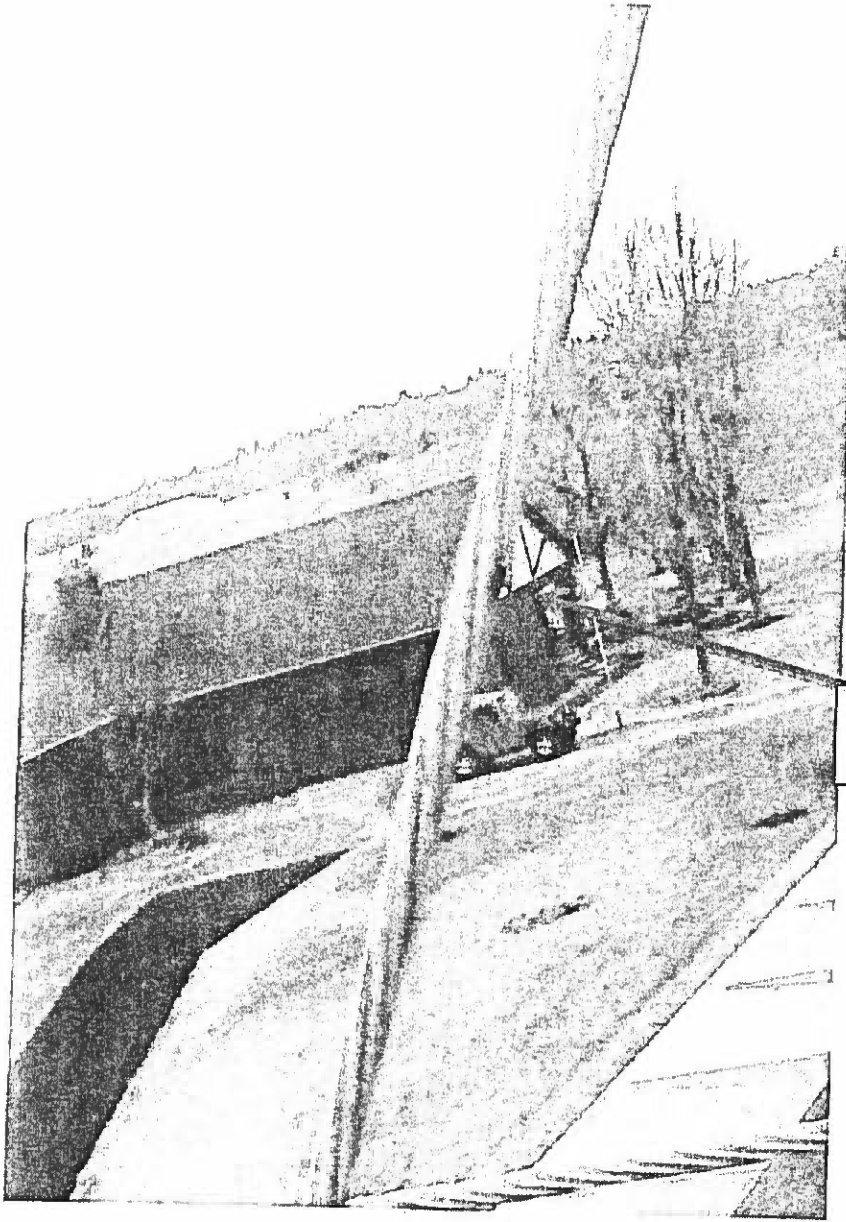
Rapid Test

DOT

Guy wire that  
made contact

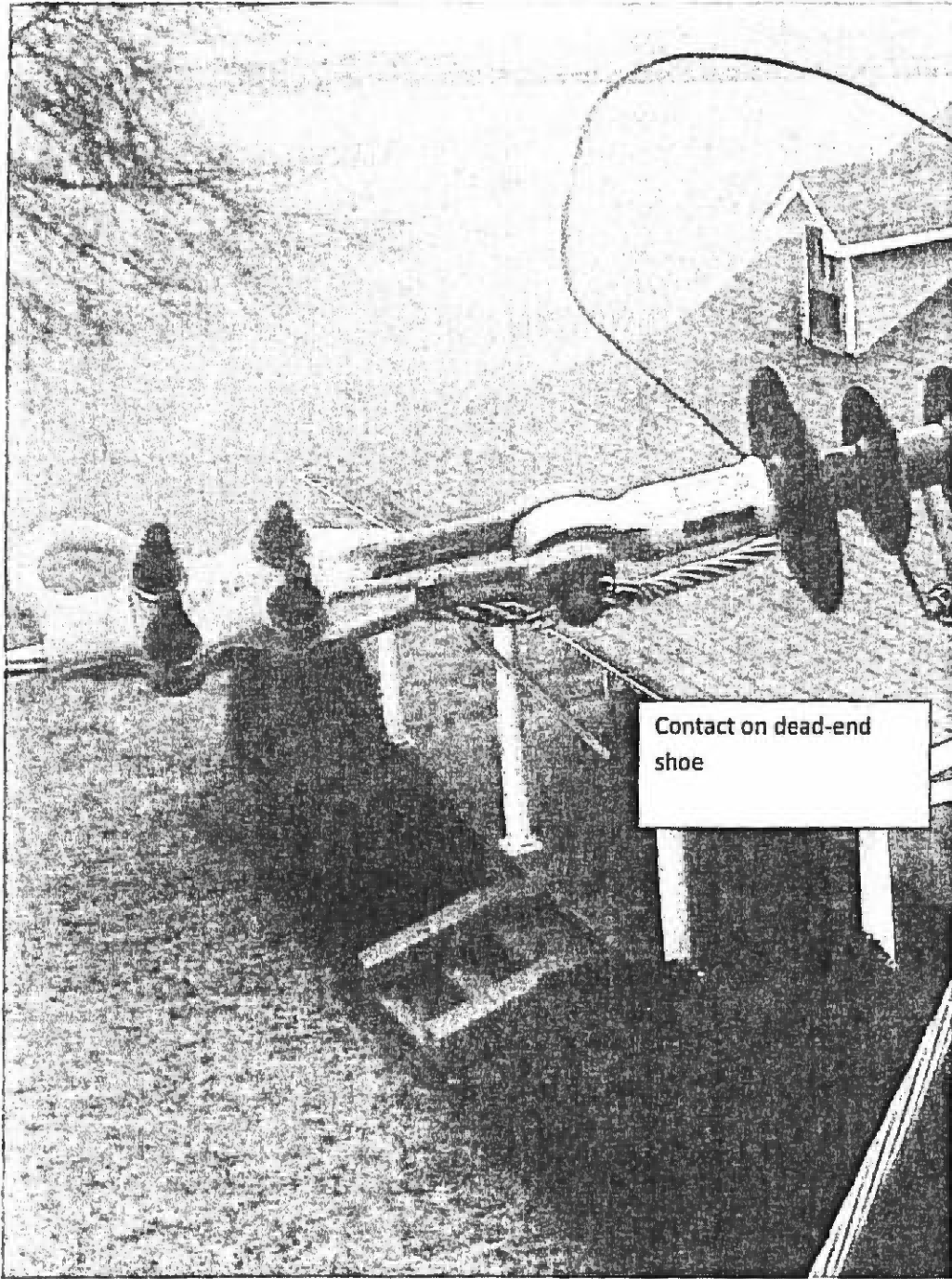
Energized dead-  
end shoe.



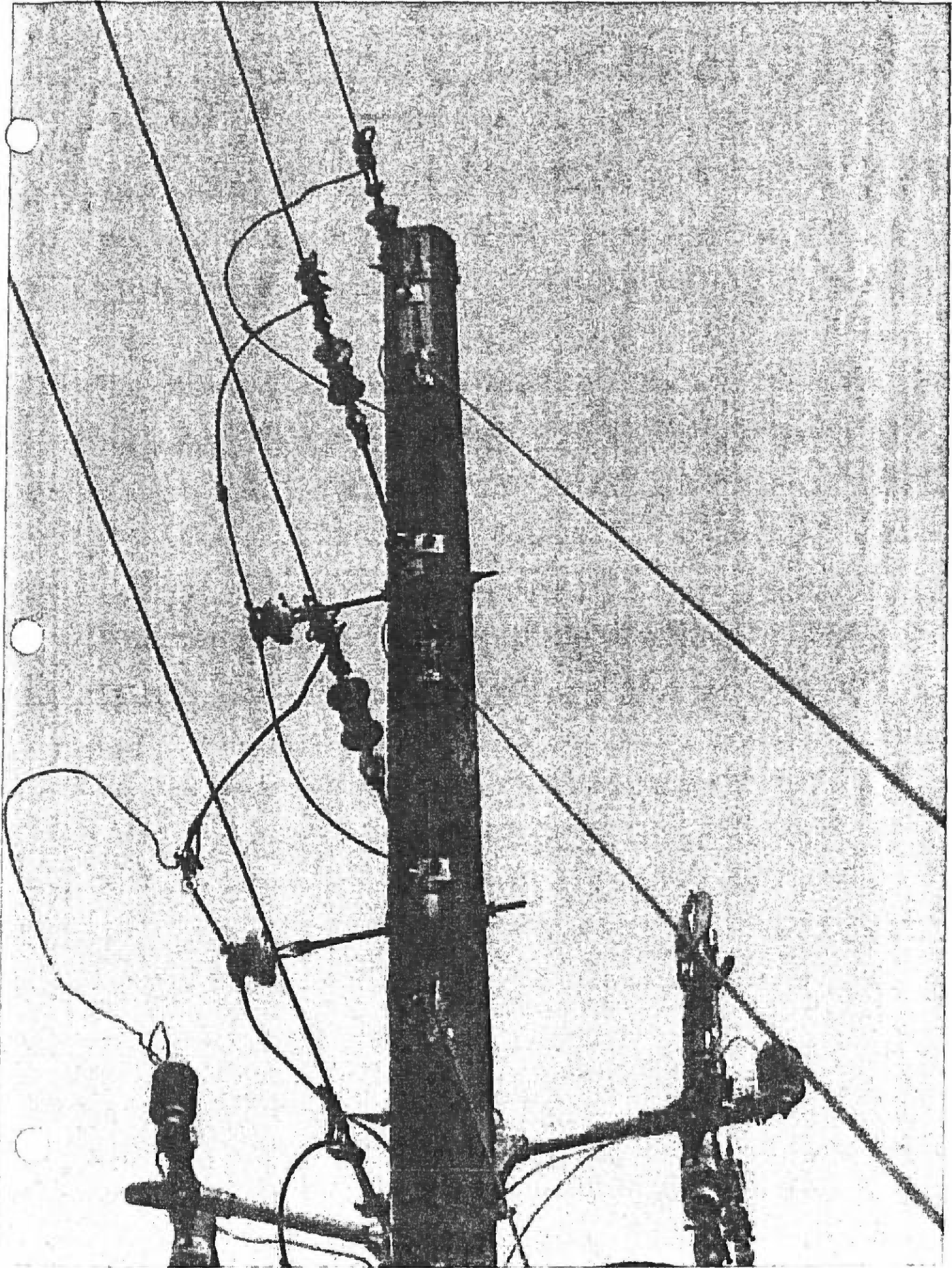


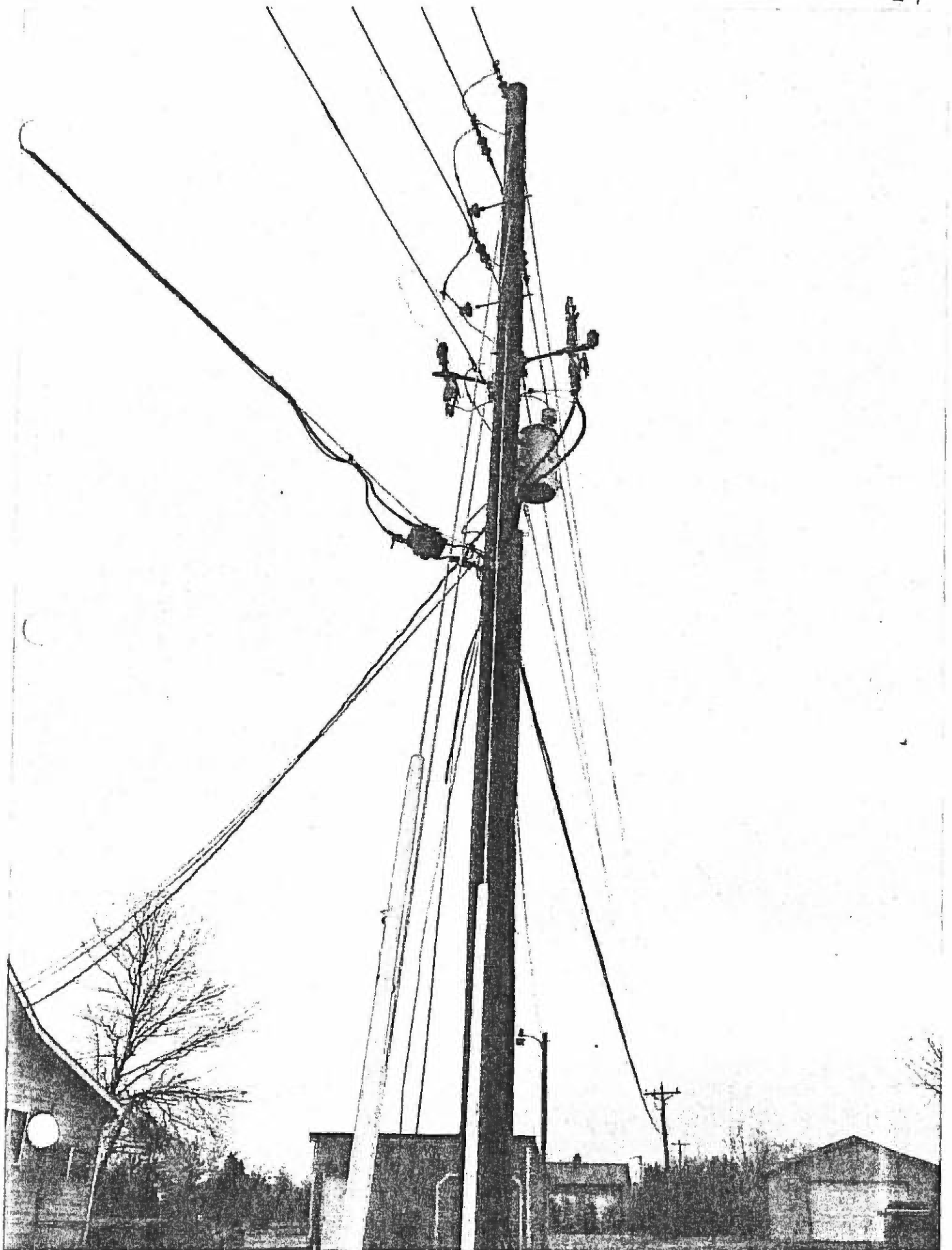
Contact on Guy

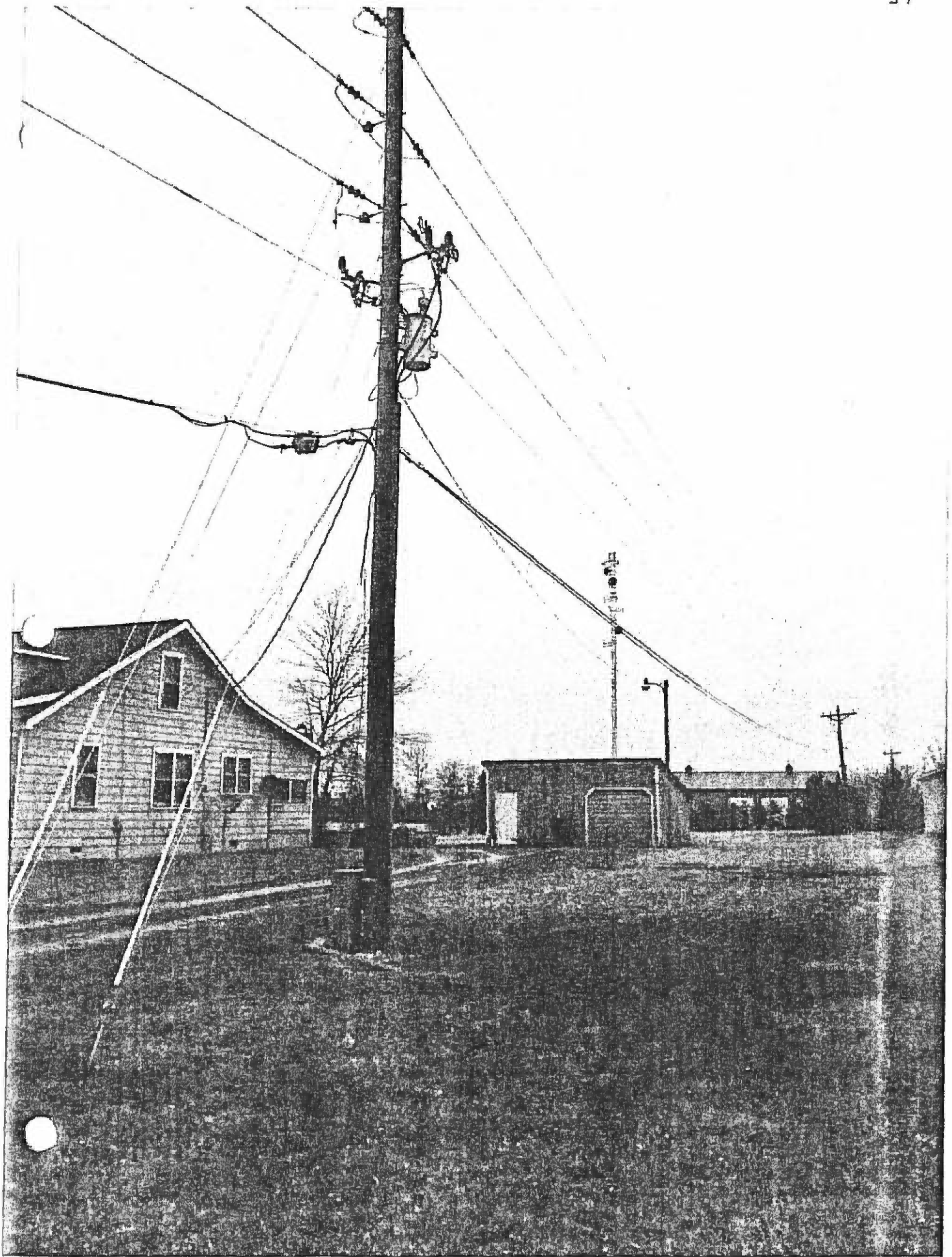




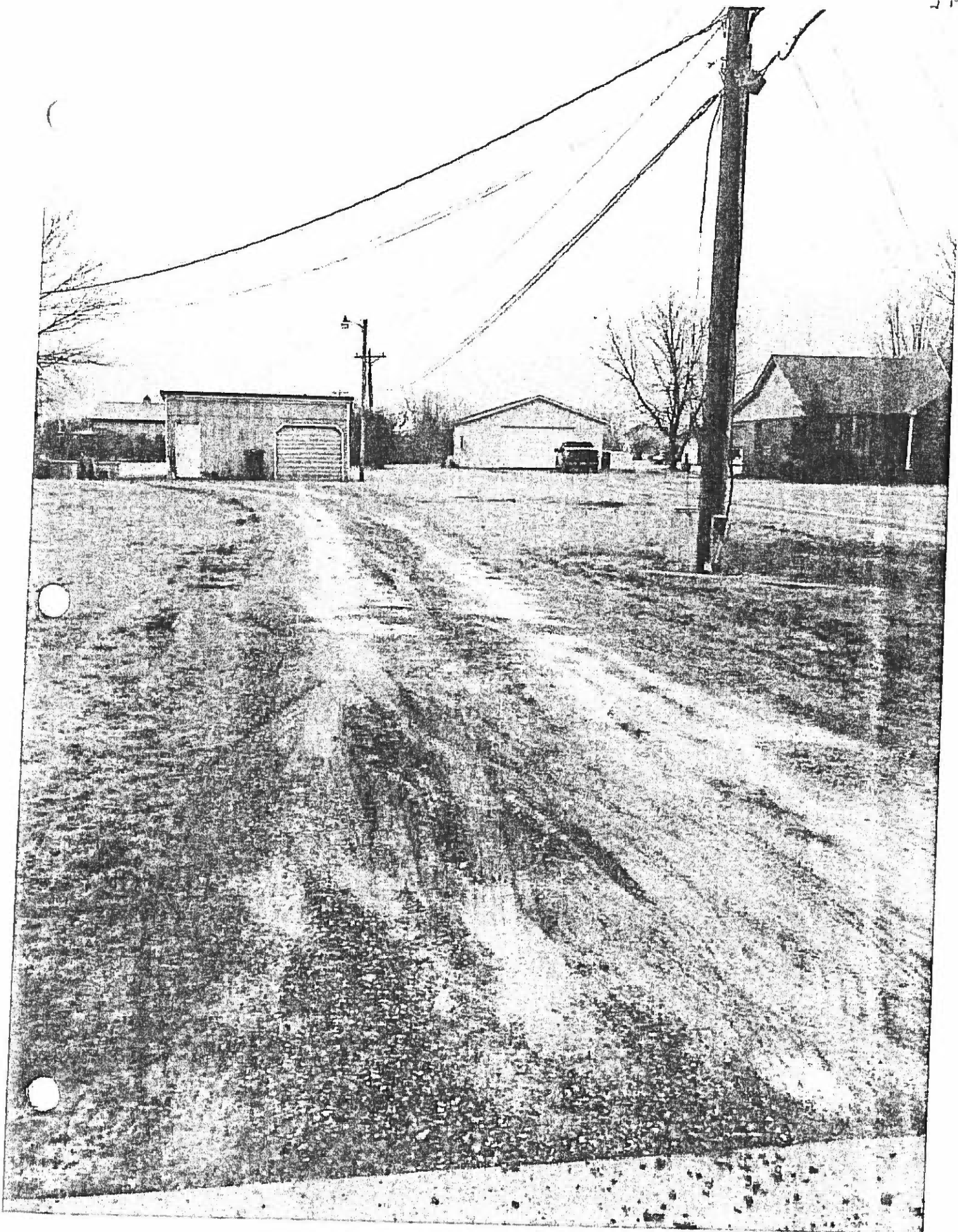
**Contact on dead-end  
shoe**

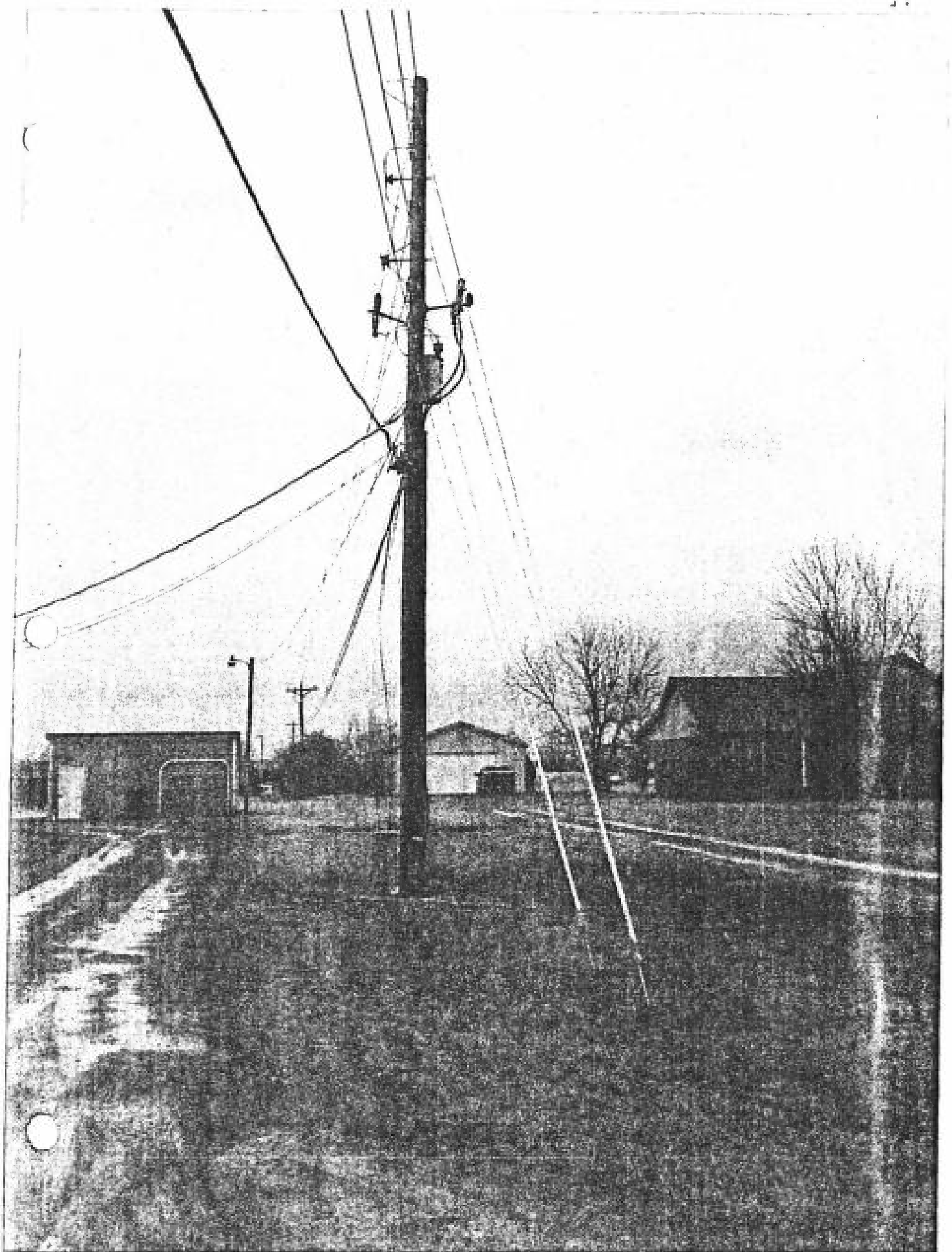


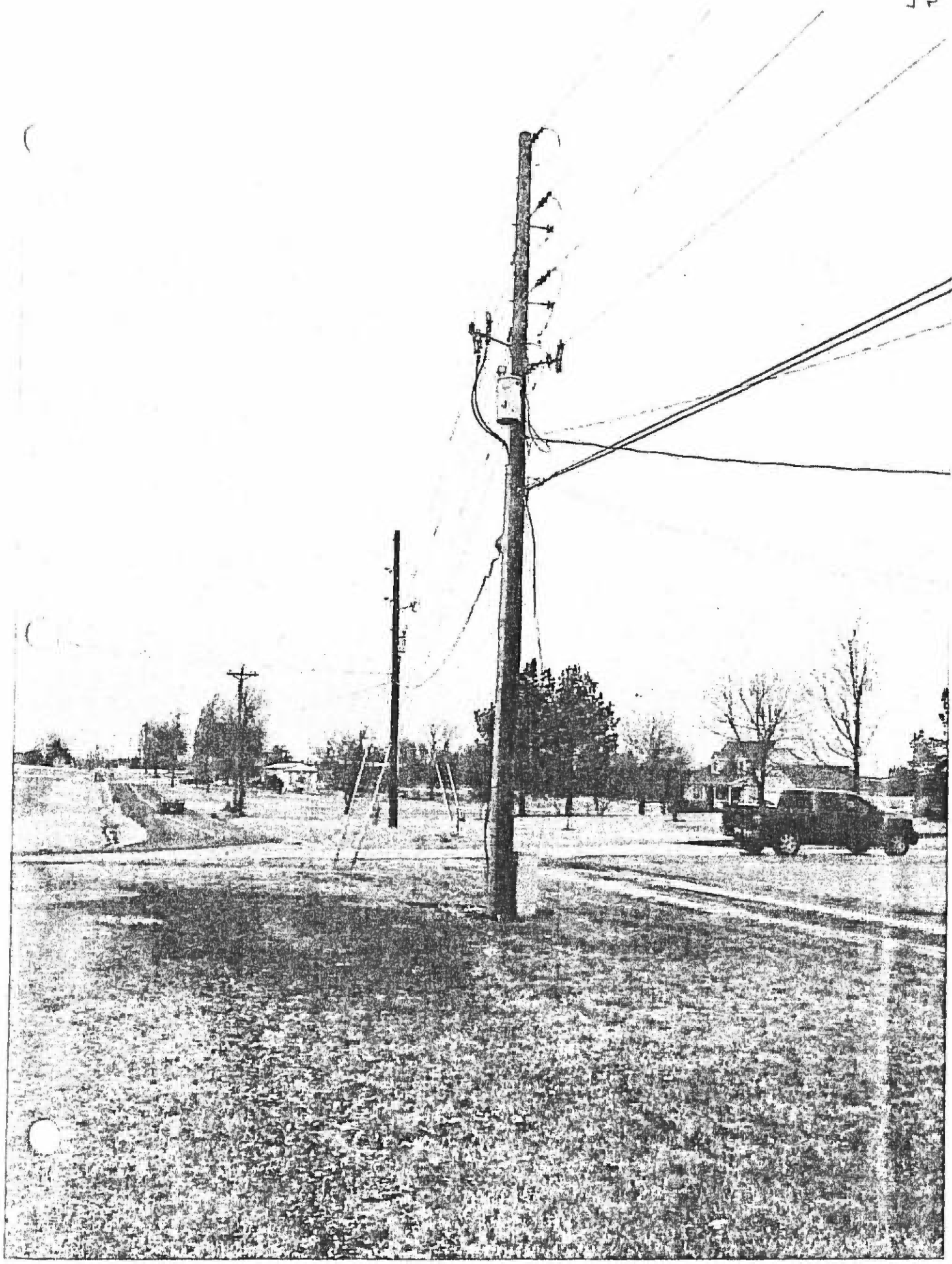




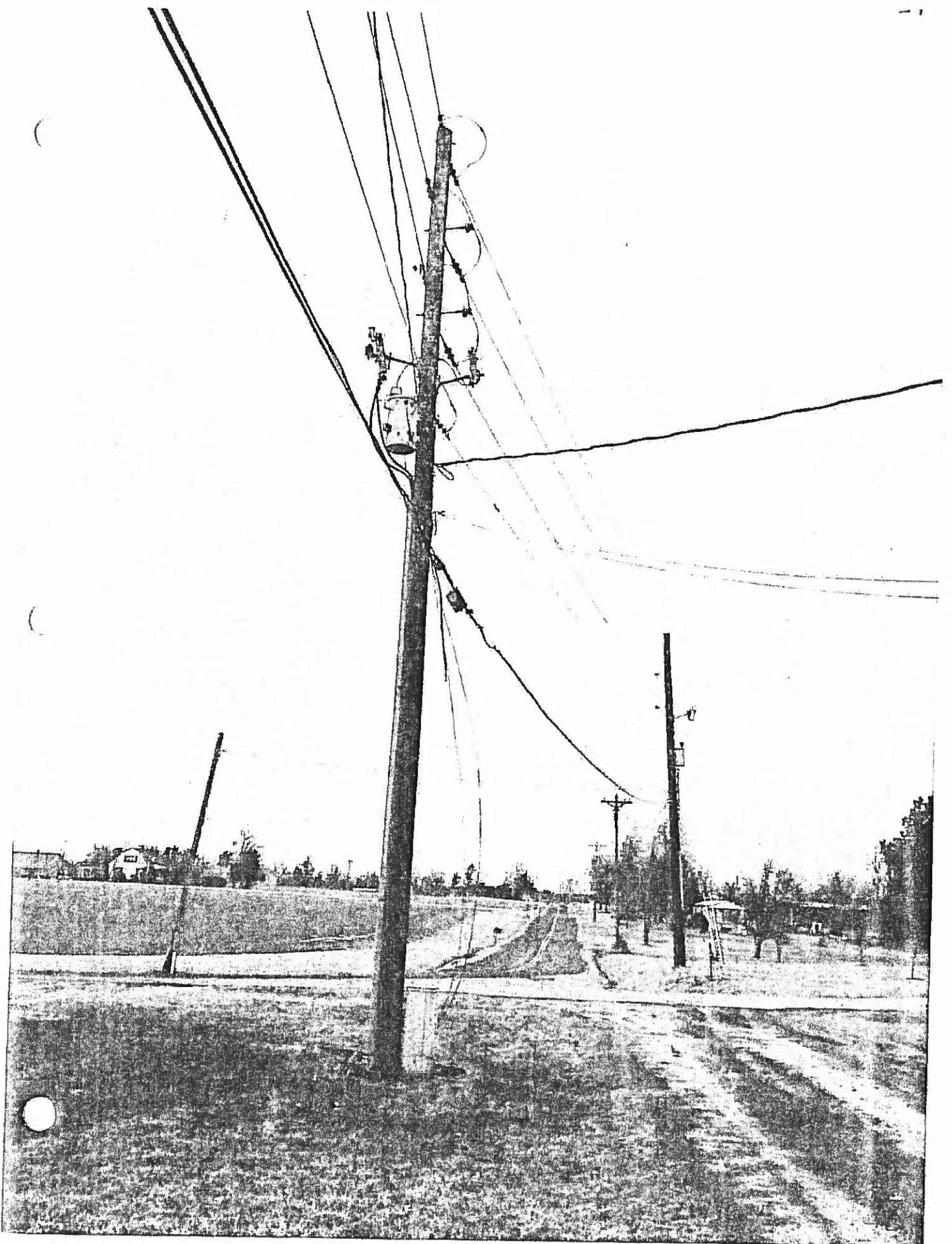


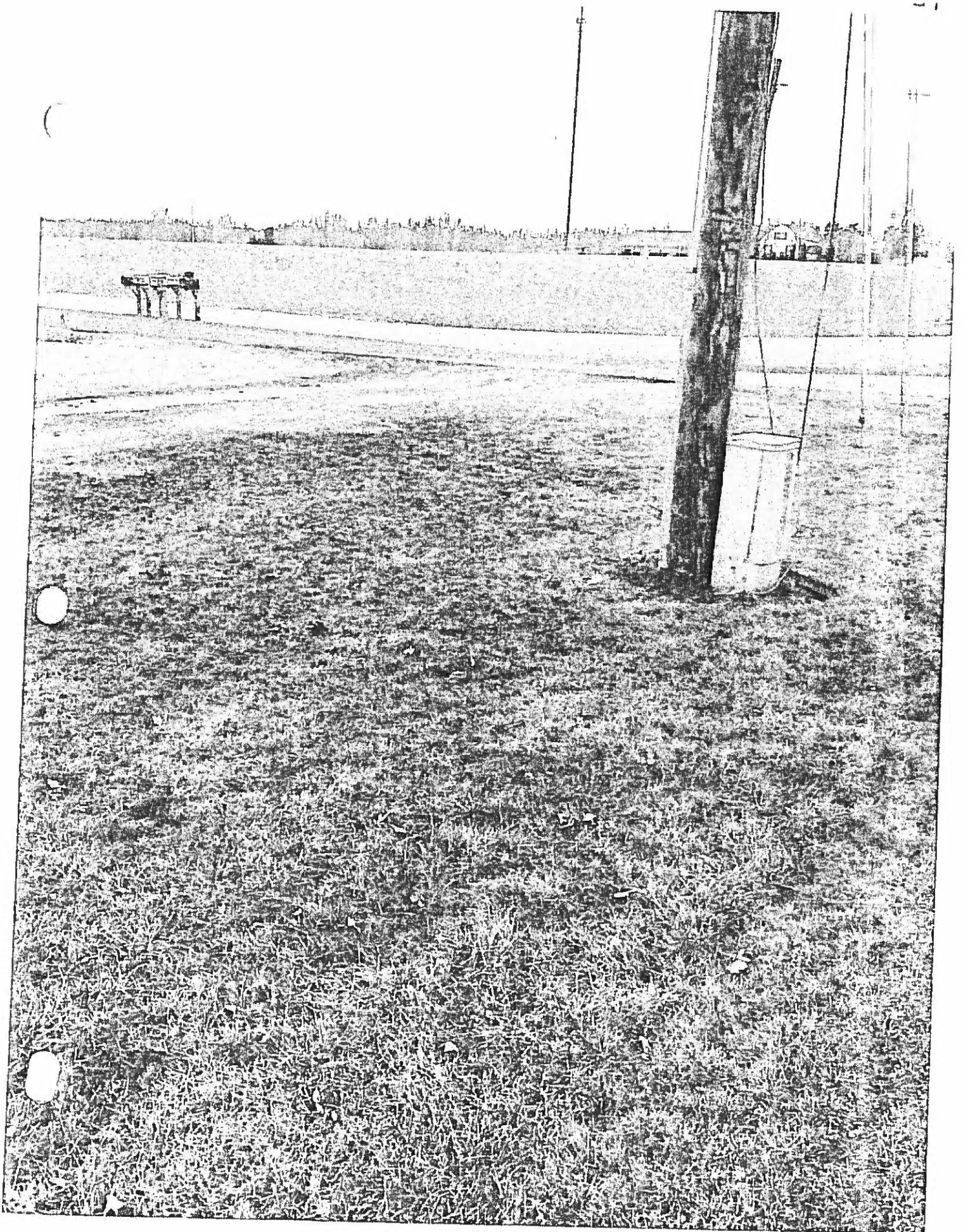












# Exhibit C

**OUTAGE TICKET**Outage Name **2014-02-25-0581**Dispatched by **Predictor**

Crew Responsible: Contractor  
Outage Start Time: 2/19/2014 2:12:27 PM  
Outage End Time: 2/19/2014 2:19:52 PM  
Outage Duration: 00:07

Location

Troubled Element: REC\_00000694  
Outaged Phase: ABC  
Device Name: 630 NOVA  
Map Location:  
SubStation: #50 - KREBS STATION RD  
Feeder: 2 - 5002-Old US 45

Cause

Status: Device Restored  
Verified Cause: Phase ABC Verified Open on REC\_00000694  
Action: Device REC\_00000694 Restored

Customers

Priority: 0  
Calls Received: 7  
Initially Out: 681  
Restored: 681

Outage Cause Codes

Cause 490 Maintenance, other  
Equipment/Material Failure 999 No Equipment failure  
Weather Condition 100 Clear, calm

Remarks

Contractor knocked line out  
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2/19/2014 2:18:18 PM  
Contractor assigned to outage.

# Exhibit D



# T&D SOLUTIONS DISTRIBUTION PRE-JOB BRIEFING FORM

## WHAT IS THE WORST POSSIBLE OUTCOME OF THE TASK I AM DOING?

Date: 2-19-14 Time: 7:00 Dept#: 817 Foreman: Chad C. Job#: \_\_\_\_\_  
 Nearest Physical Address, Cross Street, or GPS Loc: \_\_\_\_\_  
 Substation: \_\_\_\_\_ Circuit# \_\_\_\_\_ Voltage: 7200 Non Auto  N  N/A

Describe work task and job work procedures involved / Construction design. Change out C-4 with 2 underground primaries, and transformer

Designated Qualified Observer(s): Chad C. Joe S.

Local Emergency #: 911 Nearest Appropriate Medical Facility: Louder Hospital  
 Medical Facility's Phone #: (270) 444-2444 Address: 1530 Lone Oak Rd Paducah, KY  
 Map to Medical Facility Attached(AEP required): Y N Medical Facility on GPS:  N  N/A  
 Plan if no contact with EMS: \_\_\_\_\_

Escape Plan and Assembly Location Discussed: \_\_\_\_\_  
 Accident Reporting Process reviewed? Yes No Customer: \_\_\_\_\_ Contact No.: \_\_\_\_\_

Will There Be Any Wire Stringing? Y N If Yes, Complete Wire Stringing Assessment Form and attach

Lockout/tag out One shot **ENERGY SOURCE CONTROLS** \_\_\_\_\_ Potential for back-feed \_\_\_\_\_  
 \_\_\_\_\_ Name of designated employee Chad C. \_\_\_\_\_ Clearance # (where applicable) \_\_\_\_\_  
 \_\_\_\_\_ Testing for voltage \_\_\_\_\_ Application of protective grounds # \_\_\_\_\_  
 LOGGED IN:  TDC  DDC Local Dispatch Contact Number: \_\_\_\_\_

Eye / Face protection **PERSONAL PROTECTIVE EQUIPMENT (PPE)** \_\_\_\_\_  
 Harness, lanyard inspected  FR clothing \_\_\_\_\_ Hard hat inspected \_\_\_\_\_  
 Work gloves / footwear \_\_\_\_\_ Rubber glvs/slvs inspected \_\_\_\_\_

Ensure rubber goods have been tested / stamped **USING RUBBER GOODS** \_\_\_\_\_  
 Ensure all potential grounds are covered  Ensure correct voltage rating 22" \_\_\_\_\_  
 Ensure all phases are covered  Ensure minimum approach 22" feet/inches \_\_\_\_\_  
 Ensure all equipment is covered  Ensure material handled \_\_\_\_\_  
 \_\_\_\_\_ is controlled & covered \_\_\_\_\_  
 \_\_\_\_\_ When removing cover, make sure the phase to phase and the phase to ground clearance is adequate.

Check Name Plate (ensure proper pot) **TRANSFORMERS** \_\_\_\_\_  
 SEC Voltage \_\_\_\_\_ Conventional / CSP pot \_\_\_\_\_ Know the system (wye,wye, ect.) \_\_\_\_\_  
 Primary Voltage \_\_\_\_\_ Turn customer's breaker off? \_\_\_\_\_  
 Impedance \_\_\_\_\_ Check voltage - Reading on old X-former \_\_\_\_\_  
 Polarity \_\_\_\_\_ Check rotation at breaker before & after work when replacing a bank or 3 phase service \_\_\_\_\_

**DO NOT ENERGIZE** unless positive checks indicates voltage and rotation is correct at customer breaker:  
 Voltage Reading new X-former \_\_\_\_\_ Rotation \_\_\_\_\_ Clockwise  Counterclockwise

Ensure proper driving distance when hauling poles **HAULING & SPOTTING MATERIAL** \_\_\_\_\_  
 Primary and Secondary route planned  Make sure you stay out from under the load \_\_\_\_\_  
 Ensure truck and trailer is rated for the load  Proper lings / sling \_\_\_\_\_  
 Ensure load is secure  Ensure proper class A CDL \_\_\_\_\_  
 Use tag lines  Spotter \_\_\_\_\_  
 Non-essential crew clear of loads \_\_\_\_\_  
 Road conditions \_\_\_\_\_  
 Inspect trailer and vehicle \_\_\_\_\_  
 Safe cell phone use discussed \_\_\_\_\_  
 Defensive driving discussed \_\_\_\_\_  
 Traffic controls in place \_\_\_\_\_

Ensure locates are called in & updated (take pictures) **SETTING POLES** \_\_\_\_\_  
 Ensure we have a proper sling that will hold the weight of the pole  Ground / Barricade equipment \_\_\_\_\_  
 If directed to dig without your own locates, signature of authority: \_\_\_\_\_  Use rubber glvs while setting pole \_\_\_\_\_  
 \_\_\_\_\_ Print: \_\_\_\_\_ Company: \_\_\_\_\_  
 Spotter \_\_\_\_\_  
 Inspect equipment \_\_\_\_\_  
 Ensure all phases in poles area to be set are covered \_\_\_\_\_

### !!! REQUIRED!!!

Utilize all Applicable Human Performance tools to review this Job Briefing and JSA

1. Questioning Attitude
2. Self-Checking
3. Peer-Checking
4. Pre-task Review
5. Post Job Review
6. Normalization of Deviation
7. Procedura Usage
8. Effective Communication
9. Place keeping
10. Turn over



**T&D SOLUTIONS DISTRIBUTION PRE-JOB BRIEFING FORM**

**WHAT IS THE WORST POSSIBLE OUTCOME OF THE TASK I AM DOING?**

List basic steps of each task for this job	List hazards for each step	List mitigations of hazards for each step	HU Tools From corresponding numbers on JB
Drive to Job	Other drivers wet roads	Defensive driving, give extra space between cars	1, 2, 3, 7, 8
Set up truck	Backings, wet grass	Have a spotter, be aware of ground conditions	1, 2, 3, 7, 8
Cover Line + Float	Phases getting together	Cove up. Be aware of the sag in wire	2, 3, 8
Pull old Pole + set new	Pole Falling or Breaking	Consider Cond. of old pole	1, 8
Pin wire Back to new pole	wire Breaking or Falling	Be aware of all sleeves or bad spots in wire	2, 3
Clean up Job site	Slips, trips, falls	Be aware of ground conditions	

**Use Additional/JSA Forms If Needed**

SIGNATURES AND: [Signature]  
[Signature]

Austin Culp  
Valeria Frasier

INITIALS PM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**POST JOB REVIEW**

Ensure all material is picked up (each work site)  
 Clearances/holds released (protocol).

Tools collected  
 Debris collected (each work site)

Inspect Job "as built"  Checked out with dispatch (if required)  
 All crewmen worked accident/incident free today. (If not, follow appropriate reporting)

Foreman/C --- Lead verifying post job clean-up and accident free day: \_\_\_\_\_

Print: \_\_\_\_\_ Date: \_\_\_\_\_

# Exhibit E



**Recloser Control:**

**Cooper Form 6**

**Recloser :**

**NOVA 15 (3 Phase Recloser)**

**Current Rating – 630 Amp**

**Interrupting Rating – 12,500 Amp**



## Device Identity

UserDeviceName

Form 6 Recloser C

<u>Overcurrent Settings</u>	<u>Normal</u>	<u>Alternate 1</u>	<u>Alternate 2</u>	<u>Alternate 3</u>
<b>Phase:</b>				
PhsTripBlk	Unblocked	Unblocked	Unblocked	Unblocked
FastTripBlock	Unblocked	Unblocked	Unblocked	Unblocked
TCCPMinTrip	280	400	400	400
TCC1PCurve	105	105	105	105
TCC1PMultEnable	Disable	Disable	Disable	Disable
TCC1PMult	1	1	1	1
TCC1PAddEnable	Disable	Disable	Disable	Disable
TCC1PAdd	0	0	0	0
TCC1PMRTAEnable	Disable	Disable	Disable	Disable
TCC1PMRTA	0.013	0.013	0.013	0.013
TCC1PHCTEnable	Disable	Disable	Disable	Disable
TCC1PHCT Mul	32	32	32	32
TCC1PHCTDly	0.016	0.016	0.016	0.016
TCC2PCurve	117	117	117	117
TCC2PMultEnable	Disable	Disable	Disable	Disable
TCC2PMult	1	1	1	1
TCC2PAddEnable	Disable	Disable	Disable	Disable
TCC2PAdd	0	0	0	0
TCC2PMRTAEnable	Disable	Disable	Disable	Disable
TCC2PMRTA	1	1	1	1
TCC2PHCTEnable	Disable	Disable	Disable	Disable
TCC2PHCT Mul	32	32	32	32
TCC2PHCTDly	0.016	0.016	0.016	0.016

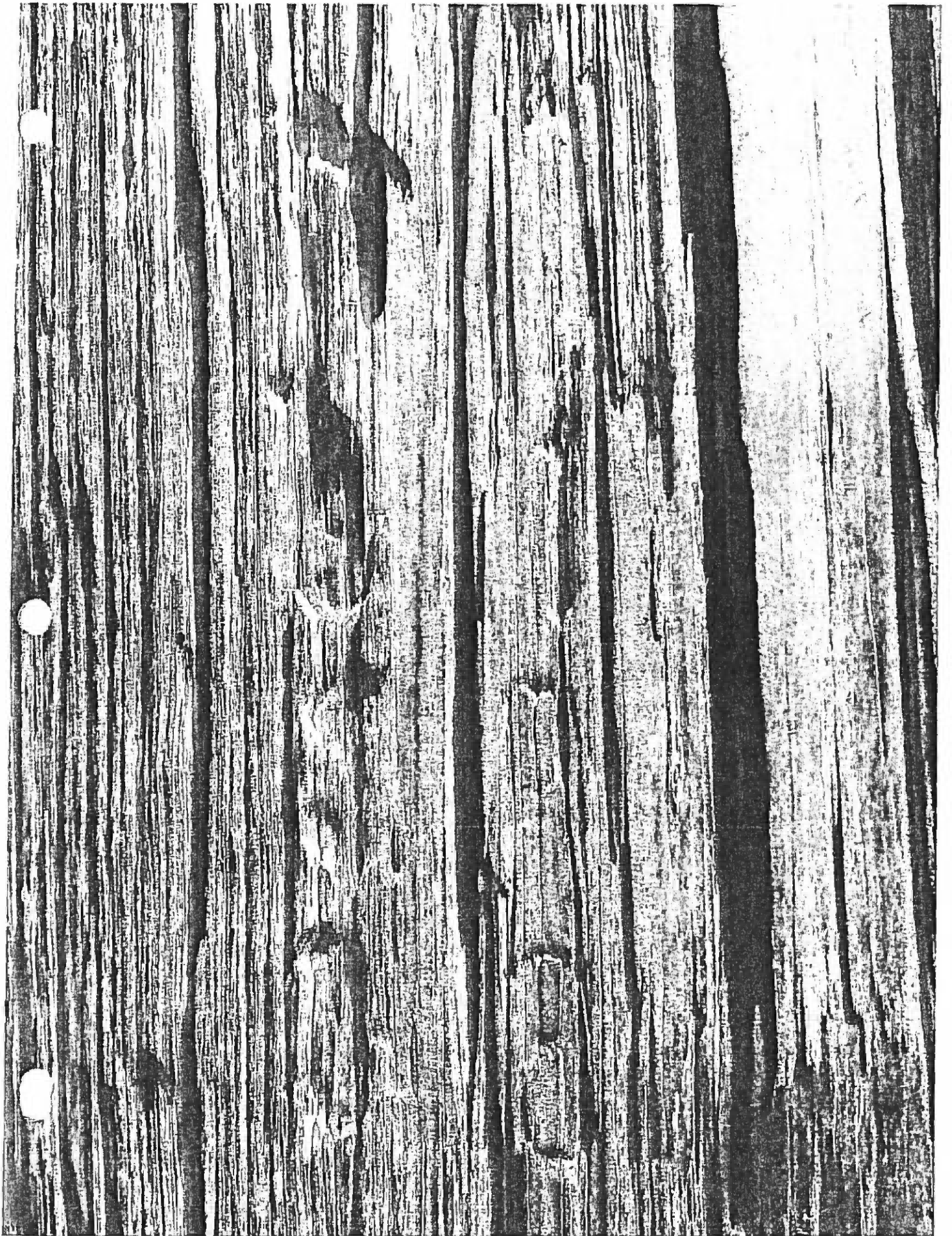
**Ground:**

GndTripBlk	Unblocked	Unblocked	Unblocked	Unblocked
FastTripBlock	Unblocked	Unblocked	Unblocked	Unblocked
TCCGMinTrip	120	140	140	140
TCC1GCurve	113	111	111	111
TCC1GMultEnable	Disable	Disable	Disable	Disable
TCC1GMult	1	1	1	1
TCC1GAddEnable	Disable	Disable	Disable	Disable
TCC1GAdd	0	0	0	0
TCC1GMRTAEnable	Disable	Disable	Disable	Disable
TCC1GMRTA	0.013	0.013	0.013	0.013
TCC1GHCTEnable	Disable	Disable	Disable	Disable
TCC1GHCT Mul	32	32	32	32
TCC1GHCTDly	0.016	0.016	0.016	0.016
TCC2GCurve	140	140	140	140
TCC2GMultEnable	Disable	Disable	Disable	Disable
TCC2GMult	1	1	1	1
TCC2GAddEnable	Disable	Disable	Disable	Disable
TCC2GAdd	0	0	0	0
TCC2GMRTAEnable	Disable	Disable	Disable	Disable
TCC2GMRTA	1	1	1	1
TCC2GHCTEnable	Disable	Disable	Disable	Disable
TCC2GHCT Mul	32	32	32	32
TCC2GHCTDly	0.016	0.016	0.016	0.016

<u>Operations Sequence</u>	<u>Normal</u>	<u>Alternate 1</u>	<u>Alternate 2</u>	<u>Alternate 3</u>
Operations To LO	4	4	4	4
<b>Phase/Neg Sequence:</b>				
PQOper#1	TCC1	TCC1	TCC1	TCC1
PQOper#2	TCC1	TCC1	TCC1	TCC1
PQOper#3	TCC2	TCC2	TCC2	TCC2
PQOper#4	TCC2	TCC2	TCC2	TCC2
<b>Ground:</b>				
GndOper#1	TCC1	TCC1	TCC1	TCC1
GndOper#2	TCC1	TCC1	TCC1	TCC1
GndOper#3	TCC2	TCC2	TCC2	TCC2
GndOper#4	TCC2	TCC2	TCC2	TCC2

<u>Reclose Intervals</u>	<u>Normal</u>	<u>Alternate 1</u>	<u>Alternate 2</u>	<u>Alternate 3</u>
<b>Phase/Neg Sequence:</b>				
PQOpenInt#1	2	2	2	2
PQOpenInt#2	5	5	5	5
PQOpenInt#3	10	10	10	10
<b>Ground:</b>				
GndOpenInt#1	2	2	2	2
GndOpenInt#2	5	5	5	5
GndOpenInt#3	10	10	10	10
ResetTime	30	10	10	10

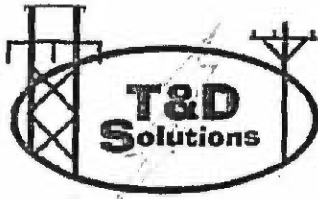
# Exhibit F



# Exhibit G



Received 2/19/14  
7.35 PM



T&D Solutions, LLC  
655 Lanham Rd., Ste. 14  
Beaumont, TX 77707  
(409) 347-1555

## Incident Report

Report Date:	2/19/14
Incident Date:	2/19/14
Incident Time:	2:00 p.m.
Location:	Paducah KY
Customer:	Jackson Purchase Energy
Customer Notified:	Yes
Department #:	817

Route To: [ewilliams@tdsolutions.com](mailto:ewilliams@tdsolutions.com)  
[mitchell@tdsolutions.com](mailto:mitchell@tdsolutions.com)

When:	2:10 p.m.	Who:	Phillip Kendal
-------	-----------	------	----------------

List all Crew Members

job title

years of experience

List all Crew Members	job title	years of experience
Chad Culp	Foreman	
Joe Simmons	Lineman	
Austin Culp	Apprentice 1	
Dakota Frazer	Apprentice 2	

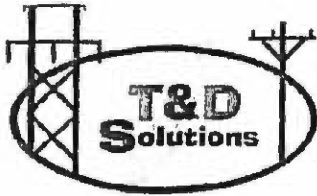
### INCIDENT DESCRIPTION

5:19

Department 817 was assigned to change out a 3 phase double dead end vertical pole on 2/19/14. The Lineman had just finished tying phases in and Foreman instructed both apprentices to hook up the guy wire. Apprentice 2 grabbed the guy wire and pulled to the anchor. The guy contacted an energized phase while pulling. The apprentice said he felt a shock in both of his arms. Foreman and crew members examined apprentice and could not find any visible marks. Apprentice seemed fine and did not want medical attention. Foreman immediately reported the issue and T&D Solutions Safety rep took employee to get medical attention to be on the safe side. Employee was treated and released at 7:20p.m. the same night with no restrictions.

The following personnel were involved with the site investigation: (Please enter name and job title)

Bryan Baldwin	STCC
Chad Culp	Foreman



T&D Solutions, LLC  
 655 Lanham Rd., Ste. 14  
 Beaumont, TX 77707  
 (409) 347-1555

## Incident Report

Report Date:	2/19/14
Incident Date:	2/19/14
Incident Time:	2:10p.m.
Location:	Paducah KY
Customer:	Jackson Purchase Energy
Customer Notified:	Yes
Department #:	817

Route To: [ewilliams@tdsolutions.com](mailto:ewilliams@tdsolutions.com)  
[imitchell@tdsolutions.com](mailto:imitchell@tdsolutions.com)

When: 2:47p.m. Who: Phillip Kendal

List all Crew Members

Job title

years of experience

List all Crew Members	Job title	years of experience
Chad Culp	Foreman	14yrs
Joe Simmons	A Lineman	3 ½
Austin Culp	Apprentice 1	5 months
Dakota Frazer	Apprentice 2	8 months / with us 2 months

### INCIDENT DESCRIPTION

Department 817 was assigned to change out a 3 phase double dead end vertical pole with 2 underground primary's with transformer and guys on 2/19/14. The new pole was set and all phases had been tied in. All that was remaining to do was hang the underground primary and transformer, and anchor 4 guy wires. The lineman had removed cover off top two phases and was in the process booming down to drop off line cover up. During this time Foreman mentioned the crew still needed to anchor guys so they could take digger off pole. Apprentice 2 then grabbed ahold of the top guy wire and processed to the anchor when the guy wire came in contact with the dead-end shoe on the bottom phase.

The following personnel were involved with the site investigation: (Please enter name and job title)

Bryan Baldwin  
 Scott Whitsell

STC  
 VP of Safety

**Investigation Shows:**

- Employee received an Electrical shock from guy wire contacting energized phase
- Contact caused outage
- Foreman was walking to truck to get plum bob when incident occurred
- All phases had been connected to the pole
- Lineman had just removed cover off top two phases
- Lineman was in bucket preparing to unload cover up
- Line was on non reclose
- Foreman had just told apprentice not to touch guy wires without Rubber Gloves
- Foreman was feeling pressured by customer proponent
- Outage was scheduled for 4-5 hrs.
- Proponent told crew outage was only scheduled for 2 hours
- Crew did not have adequate cover up on bottom phase
- Crew should not have removed cover up off top two phases
- Crew violated minimum approach distance
- Foreman complained multiple times of lack of experience on crew to multiple members of management

**Basic Causal Factor(s)**

- Less than adequate cover on bottom phase.
- Ineffective communication- foreman did not insure communication was received by apprentice. Assumed apprentice understood instructions, did not verify.
- Lack of experience on ground (Normalization of Deviation)
- Time pressure-foreman felt pushed by customer to get service restored.
- Inaccurate risk perception-apprentice did not recognize critical nature of task.
- Multiple tasks being performed by foreman: walking back to get plum bob, observing, giving instructions.

**Root Cause:**

- Inadequate direction and oversight from person controlling the task or project.

**Things to Remember:**

- Always follow Proper Cover Rules (MAD), and PPE.

**Injury Potential:**

- Major / Fatal

**Suggested Preventative Strategies:**

- Never remove cover until all hazards are eliminated

**Mandatory Preventative Strategies:**

- Retrain crew on Proper cover up.

**Disciplinary Action:** Termination of Entire crew for violating rule 5 in zero tolerance rules.

Failure to provide proper cover.

No Disciplinary action taken at this time

Chad.

We were getting started on this Job Late on the morning of 2-19-14. ~~This was~~ I had an outage set up for 4 to 5 hrs with JP Dispatch to change this pole and I had let my GF know on 2-18-14. STC and m GF came to our show up on the morning of 2-19-14 to change out P.P.E. and do a safety focus so that had us starting on the pole late. Keep in mind that I planned for a 4 to 5 hr outage. We deenergized the URD prim. around 10:45 AM. So 3:30 PM was the time we was shooting for. My head Lineman was in one bucket and I was in another bucket, with a 45 month ground man on the ground. I was having to run one bucket and also run the digger truck all day. We were making good progress on the job when around 2:00 PM or so Philip Kendall from JP. shows up wandering when we

were gonna have the subdistribution Back on. I told him that we should have in on it about an hour or so, which was still going to be in our time allotted. That is when I found out that J.P. Dispatch had told all the Consumers that the outage was going to be between 9 AM and 11 AM. he said we needed to get this on as soon as possible, and was questioning a couple things I was doing. I told him we would have it back on as soon as possible. So he left, but he drove by the jobsite a couple of times. Of course we all felt pressured to get this back on. A little time had passed and I had mentioned that we were going to have to get the guy wires caught in hoist in order to get the digger off the pole so we could get the V.R.D prim. Back up on the pole in order to

the Subdivision Back on. as  
I was walking to the digger truck  
to get a plumb bob. I heard the  
contact take place. one of  
my ground man had grabbed the  
top guy wire with no P.P.E. on and  
flopped it into the bottom phase.  
I had told both groundman prior  
to this that when we fool with  
these guy wires that we at least  
need to wear our Rubber gloves. Of course  
the caused an outage. But most  
importantly a serious Injury. In  
my 14 years on the Job this is the  
closest I have come to seeing one  
of my men get seriously hurt.  
I tak full Responsibility for  
this accident. I should have  
kept a better watch on the two  
groundman because they are so  
inexperienced.

Chad Cup

Once we get the the middle phase back  
on the pole ahead was firing in the jumper  
and got the tie wire into the lead head and  
took the phase out. He called dispatch and  
talked to Phillip Kindler.

Joe Simmons

3 1/2 Years

Joe Simmons

While changing the pole out, we had all the phases transferred back to the pole. We had to put underground back up the pole, pull guy wires, hang a transformer, and services. I took cover up off the top 2 phases on both side, and as I was booming down to drop off cover up I saw the ~~middle~~ <sup>bottom</sup> phase need to be covered back up. I was continuing to boom down to ~~get~~ get more blankets and drop off guts. During that ~~time~~ time the ground man grabbed the guy wire without looking up and after being told to wear his rubber gloves and slapped it into the phase. We ask if the ground man were okay, and Chad made the call to dispatch and safety.

Joseph Simmons



## Austin

Philip had come to the jobsite and said that disbatch had told the customers that it would be out for a couple of hours when it was suppose to be 4 to 5 hours. then he kept driving up and down the road where we was working and Chad and JO was in two seprate buckets Chad was ~~try~~ tying in the ~~connect~~ middle phase and the tie wire hit the lead ~~had~~ and Chad thought it may of knocked the line out so JO ~~went~~ went and finished tying it in while Chad was coming down to call disbatch which it was out so then Philip potted in then chad told JO to come down ~~and~~ ~~the~~ and Dakota to all stay in the clear so he could go make it hot again ~~the~~ Chad came back we was all in the clear Chad said it was back on and JO went back to work Chad had told me and Dakota to have atleast our gloves on while working on the guy's as chad walked to the digger to get a Plum-bob Chad said

here in a min. we are going to  
get these guys caught and dakota took  
it amunst his self to go grab the guy  
wire without his gloves on and ~~youde~~  
pulled it back and i was putting some  
waist back in the ~~to~~ bin and I  
would have said you need your gloves  
on but I seen he didnt have them  
on till after the pack, well I had  
first asked if he was ok. Dakota said  
yes and I had told him to take his shirt  
off and get in the truck they came  
back from making the line hot again  
and we finished work and dakota said  
he was ok then dakota was carried to  
the hospita

Arden Cole

I worked here for 5 months

Approximately 1:45 pm on 2/19/14 I was working with my crew in Paducah on a C-4 double dead-end vertical pole. Phillip Kendall from Jackson Purchase came by in his truck and told us "the outage was only for two hours and I didn't think it would take this long. I will let ya'll get back to what you were doing." He then drove around the block a few times. Approximately 20 minutes later Chad was tying in a jumper with a tie wire when the tie wire touched a DA bolt and it jumped over to the pole ground and made an arc. It caused the circuit to go out. Chad went and turned the power back on. When he returned from turning on the power, he instructed me and Austin to catch the guy wires back. Apparently, the cover was not there when I pulled back on the guy wire. The guy wire either touched the poly bell or the dead-end shoe. I felt an electrical shock. Chad asked if I was ok. Chad asked Joe if it knocked out the line. Chad and I then went to turn on the power. Chad said, "When we get done I will take you to the hospital." He looked at my right arm. We then finished the pole. Byran with safety arrived at approximately 3:45pm and observed my feet and hands, surveyed the scene, and spoke with Chad. He told me that I was going to the hospital to get checked out. We then proceeded to Lourdes Hospital.

Coty Frazier

2/20/14

8 MONTHS OF EXPERIENCE

Coty Frazier

# Exhibit H

# Jackson Purchase Energy Corporation

## Contract Audit for Overhead Line Crew

Observer: MA Riley Date: 11-19-13

Job Location: Cleuton Rd

Proper # of personnel

### Equipment

### Comments

1. Sufficient equipment for job \_\_\_\_\_

2. Equipment in good condition \_\_\_\_\_

### Construction units

1. Framing \_\_\_\_\_

2. Line sag \_\_\_\_\_

### Safety

1. Rubber gloves and/or sleeves \_\_\_\_\_

2. Cover-up material (blankets, line hose) \_\_\_\_\_

3. Eye/face protection \_\_\_\_\_

4. Hand protection \_\_\_\_\_

5. Vehicle protective grounds \_\_\_\_\_

6. Personal protective grounds \_\_\_\_\_

7. Signs \_\_\_\_\_

8. Cones \_\_\_\_\_

9. Flagman with proper equipment \_\_\_\_\_

10. Chocks \_\_\_\_\_

11. Safety belt \_\_\_\_\_

12. Harness \_\_\_\_\_

13. Lanyards \_\_\_\_\_

14. Tailgate conference held \_\_\_\_\_

*C.S. & Lift Pole changed out*

# Jackson Purchase Energy Corporation

## Contract Audit for Overhead Line Crew

Observer: Murray Riley Date: 12-30-13

Job Location: 641 N.

Proper # of personnel

### Equipment

### Comments

1. Sufficient equipment for job Chad Culp

2. Equipment in good condition

### Construction units

1. Framing

2. Line sag

### Safety

1. Rubber gloves and/or sleeves

2. Cover-up material (blankets, line hose)

3. Eye/face protection

4. Hand protection

5. Vehicle protective grounds

6. Personal protective grounds

7. Signs

8. Cones

9. Flagman with proper equipment

10. Chocks

11. Safety belt

12. Harness

13. Lanyards

14. Tailgate conference held

# Jackson Purchase Energy Corporation

## Contract Audit for Overhead Line Crew

Observer: Murray Riley Date: 12-10-13

Job Location: Marshall Co High School

Proper # of personnel

### Equipment

### Comments

1. Sufficient equipment for job

2. Equipment in good condition

### Construction units

1. Framing

2. Line sag

### Safety

1. Rubber gloves and/or sleeves

2. Cover-up material (blankets, line hose)

3. Eye/face protection

4. Hand protection

5. Vehicle protective grounds

N/A 6. Personal protective grounds

7. Signs

8. Cones

9. Flagman with proper equipment

10. Chocks

11. Safety belt

12. Harness

13. Lanyards

14. Tailgate conference held

Reconductor ins

# Jackson Purchase Energy Corporation

## Contract Audit for Overhead Line Crew

Observer: Murray Rively Date: 1-3-14

Job Location: Marshall Co School

Proper # of personnel

### Equipment

### Comments

1. Sufficient equipment for job Chad Culp

2. Equipment in good condition

### Construction units

1. Framing

2. Line sag

### Safety

1. Rubber gloves and/or sleeves

2. Cover-up material (blankets, line hose)

3. Eye/face protection

4. Hand protection

5. Vehicle protective grounds

6. Personal protective grounds

7. Signs

8. Cones

9. Flagman with proper equipment

10. Chocks

11. Safety belt

12. Harness

13. Lanyards

14. Tailgate conference held



# Exhibit I

Jeff Brinkley 2/20/14

2/19/14 approximately 7:50 am, unit 45 calls and checks to make sure that I was aware they will have the underground feeding contest road out and to verify the customers had been called. I told him I was aware and the dispatcher the night before had tried to contact everyone that was going to be affected by the outage.

1:57 pm calls started coming in up and down the line to the nova switch. I looked and the substation had channeled out- I tried to call Chad on the radio and his cell phone but he didn't answer. I then called Kevin Jones to see if he was doing anything with krebs substation and he said no, I told him it was channeled out and that line was out, he said call keith to see if the radio system was on that line. Before I could get in touch with Keith, Chad called and asked if they had knocked the line out, I said yes. He said he thought they had and he was on his way to the nova switch and he said he would heat it back up. he heated it back up approximately 2:06pm.

2:15pm I noticed the substation lost communication again, I called Chad and told him I was pretty sure they had knocked it out again, while on the phone with him, I started receiving calls on the same line from the nova downline. He said he would get back over to the nova and heat it back up. He restored power at 2:19PM. that was the last time I talked to him that on the 20th.

6850 Contest Rd

Feb. 20, 2014

T & D crew audit

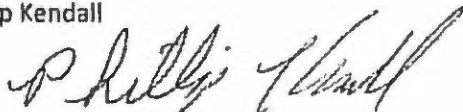
At around 1:00 PM dispatch called me because they were unable to contact unit 45, they wanted to know if I had talked to them this morning and they ask if I would go to the job site and check on them. I got there around 1:40, they were reattaching secondary conductor, when this was finished Chad came down and we talked about how long it had been out and how much longer he was expecting it to be before he could get it back on.

The groundmen were working at removing the old hardware from the old pole. He called one of the groundman back over to the work area and instructed him to watch for the guys working in the air. I told Chad to take a deep breath, to be safe, and then I left this job to go to another one in the area. When I came back by the job site Chad was working on I discovered the line had been knocked out. Chad was in his truck leaving to go to reenergize the line when I pulled up. I ask him what happened, he said he got the tie wire into the lead head adapter, he said it popped and went out. He stated there was no burn or flash from the incident. At this time he turned to his men and told them to consider it hot he was going to the NOVA to reenergize. I left and went back to the office. Around 2:30 PM I notice on my phone where Scott Whitsell had tried to call, so I returned his call and he never answered. Then I received a call from Chris Latham. He asks if I had talked to Chad, I told him I had, and then I discussed the tie wire incident with him. in a few minutes Scott Whitsell called back and said he was taking one of his men to the hospital to get evaluate after the contact incident, I assumed it was the tie wire incident, I never realized there had been a second incident.

I tried to call Chad and couldn't get a hold of him so I went back to the job site there was no one there except one of T & D's trucks and cable TV employee reattaching the cable to the pole.

Murray called me later that evening and said he was going to the hospital to check on one of T & D's employees who had made contact with a guy wire, this is the first time I realized there had been a second incident.

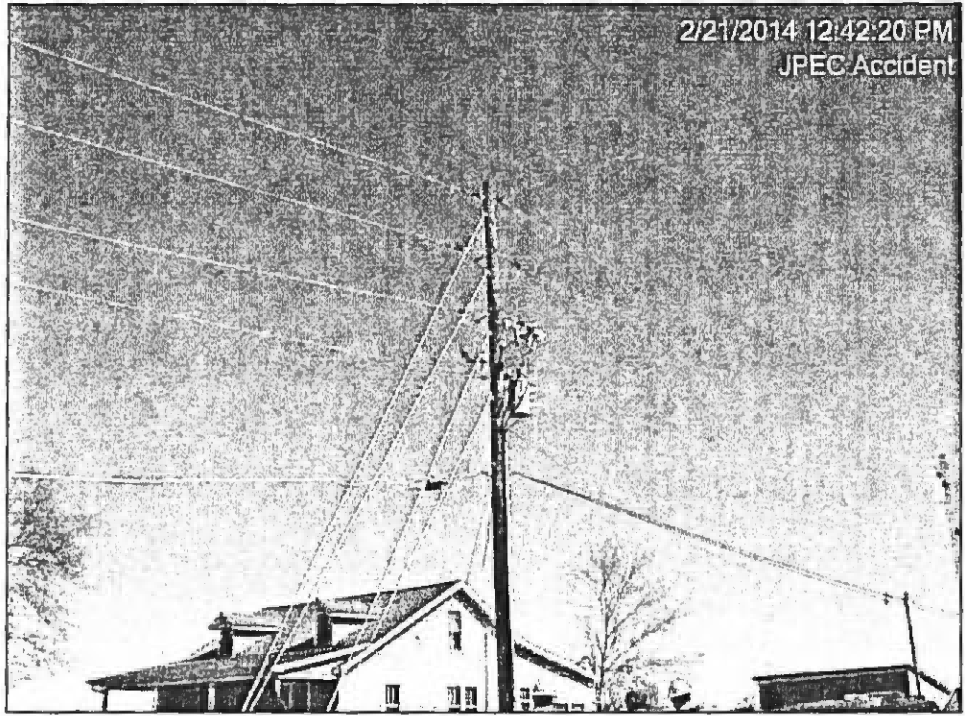
Phillip Kendall



**Attachment B**

---

**KPSC Photographs of Accident Site**



2/21/2014 12:42:20 PM  
JPEC Accident

#1



2/21/2014 12:42:33 PM  
JPEC Accident

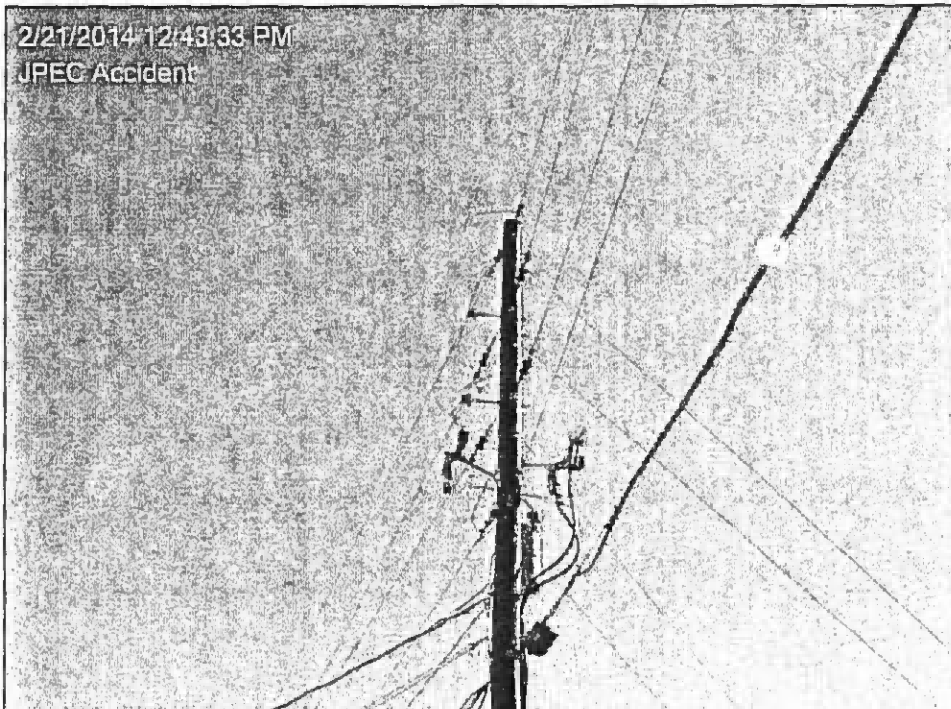
#2



**#3**



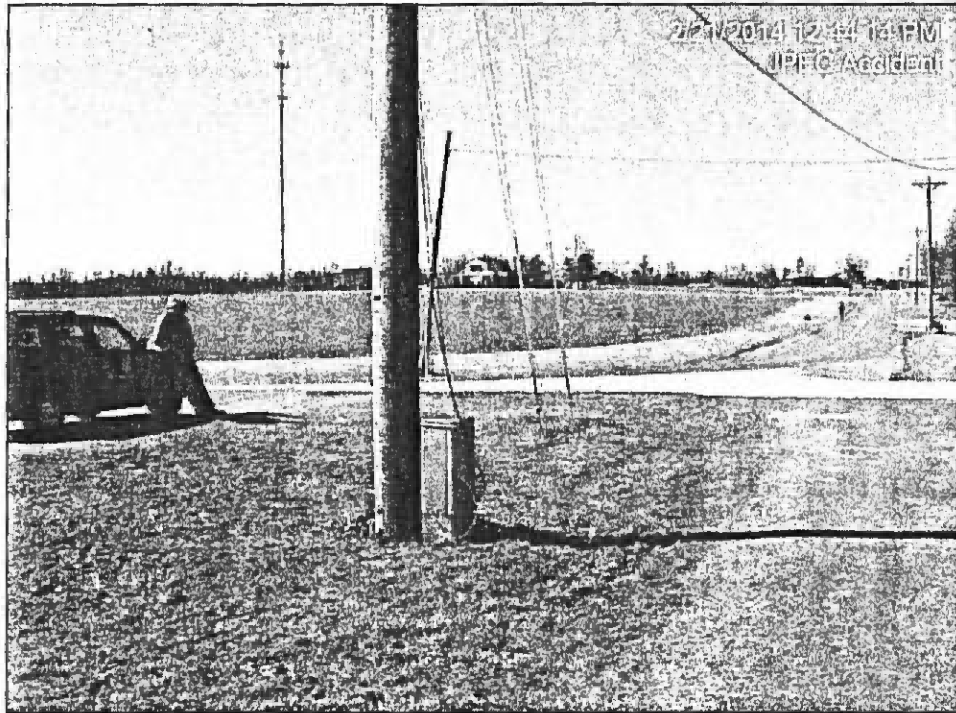
**#4**



#5



#6

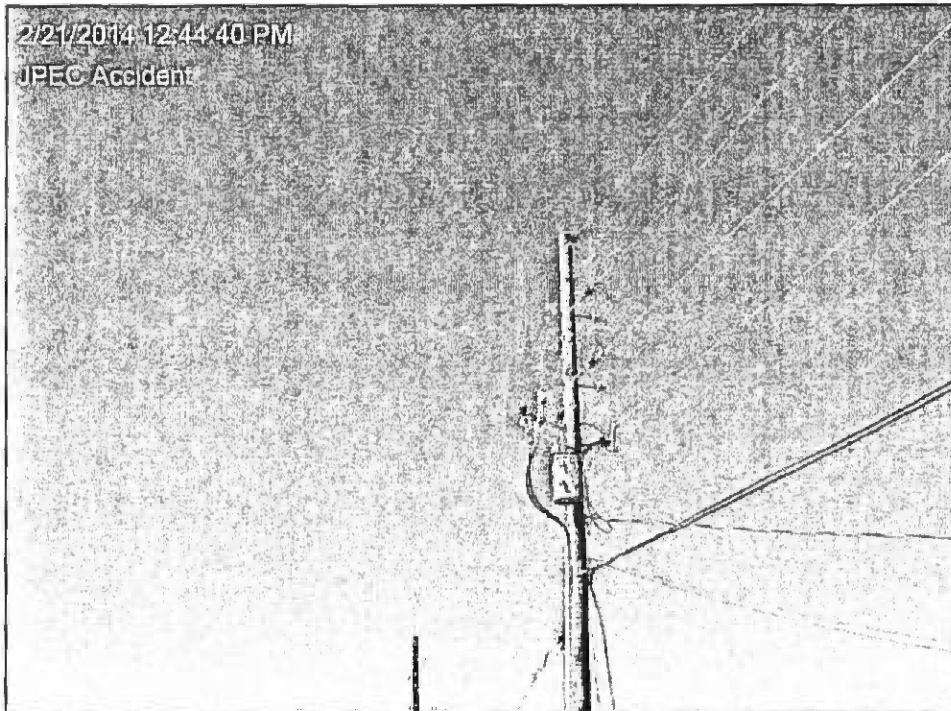


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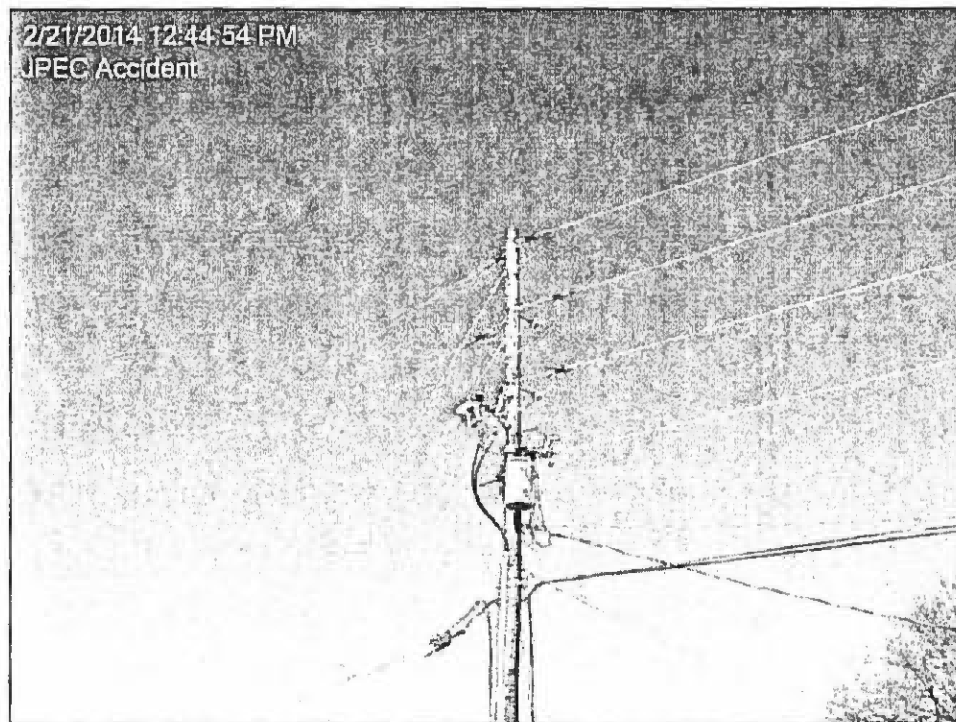


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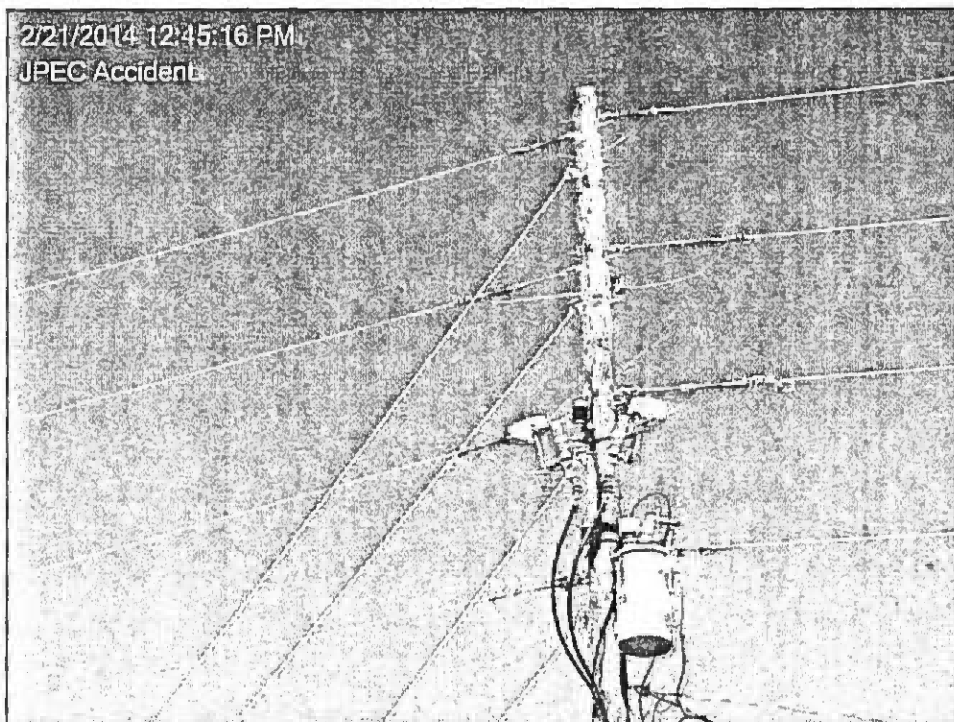
**#9**



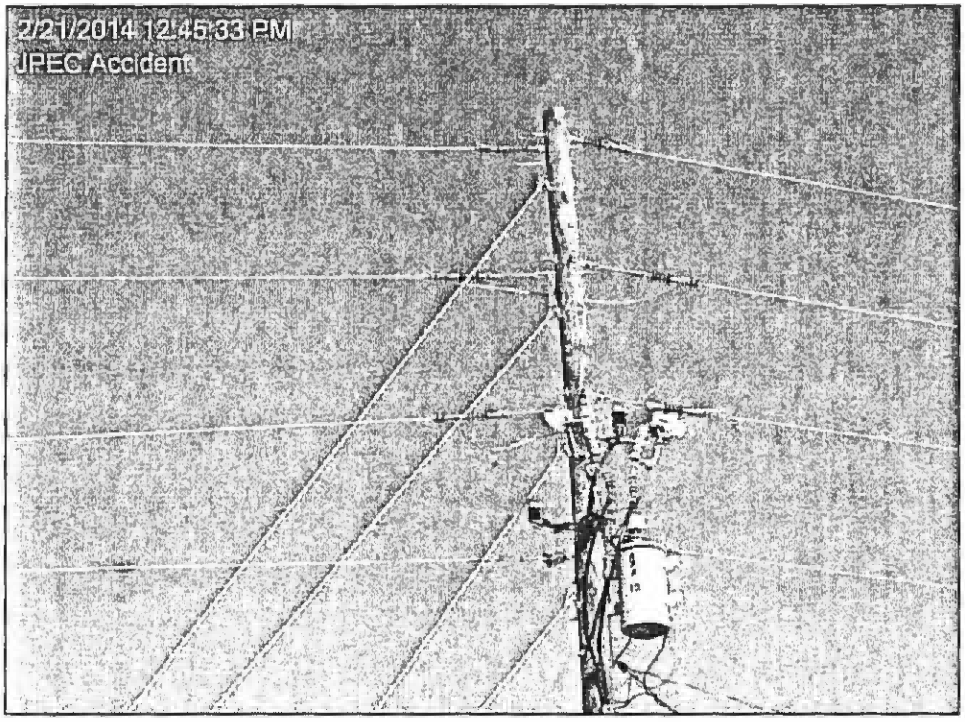
**#10**



#11

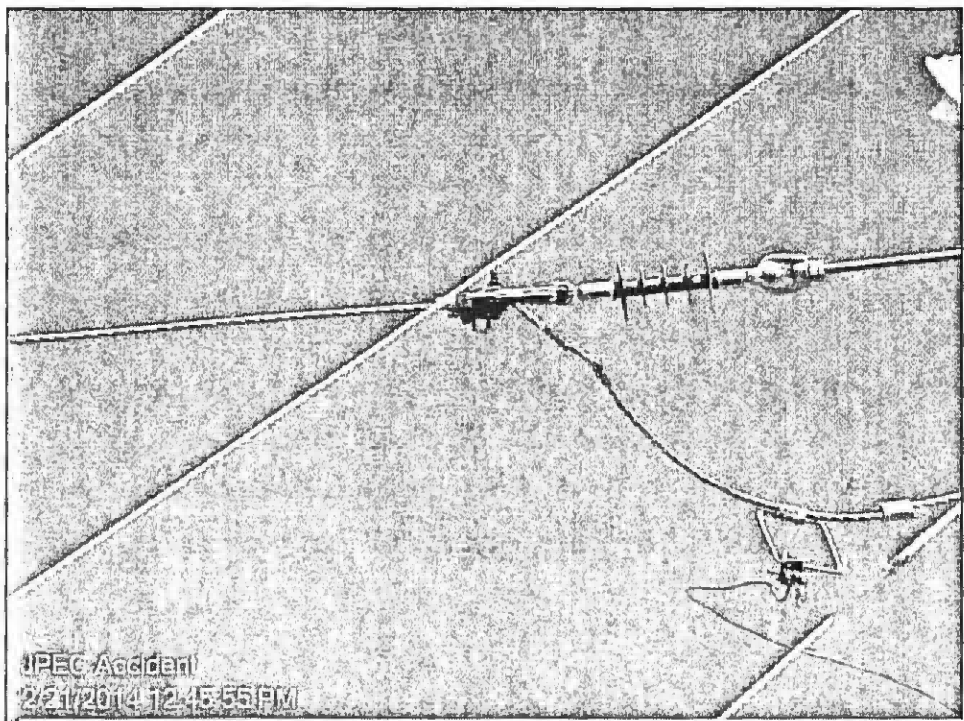


#12



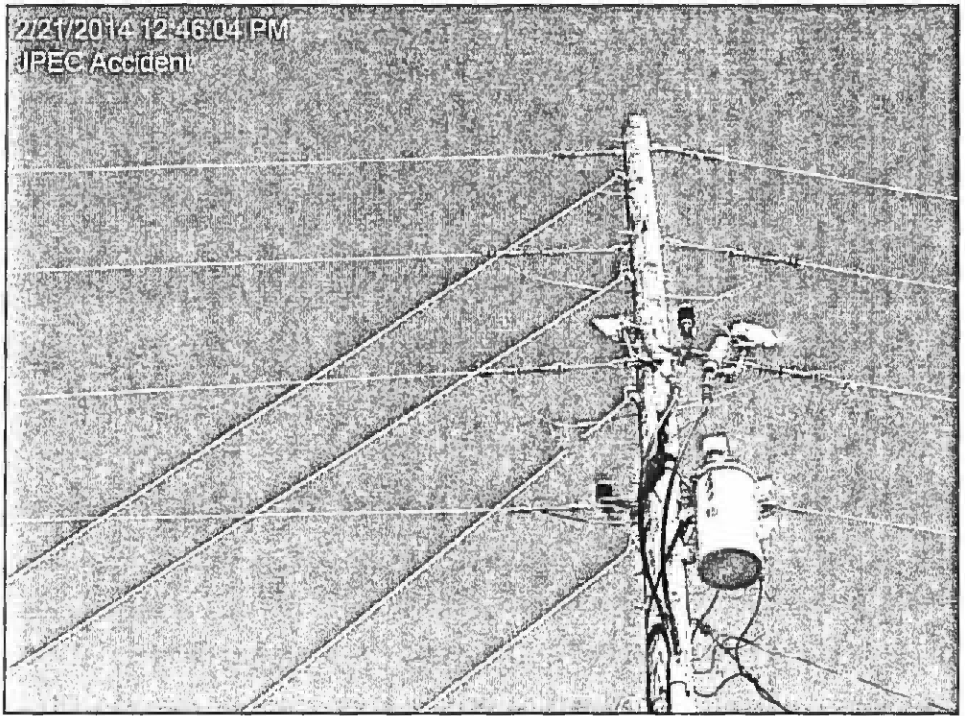
2/21/2014 12:45:33 PM  
IPEC Accident

#13



IPEC Accident  
2/21/2014 12:45:55 PM

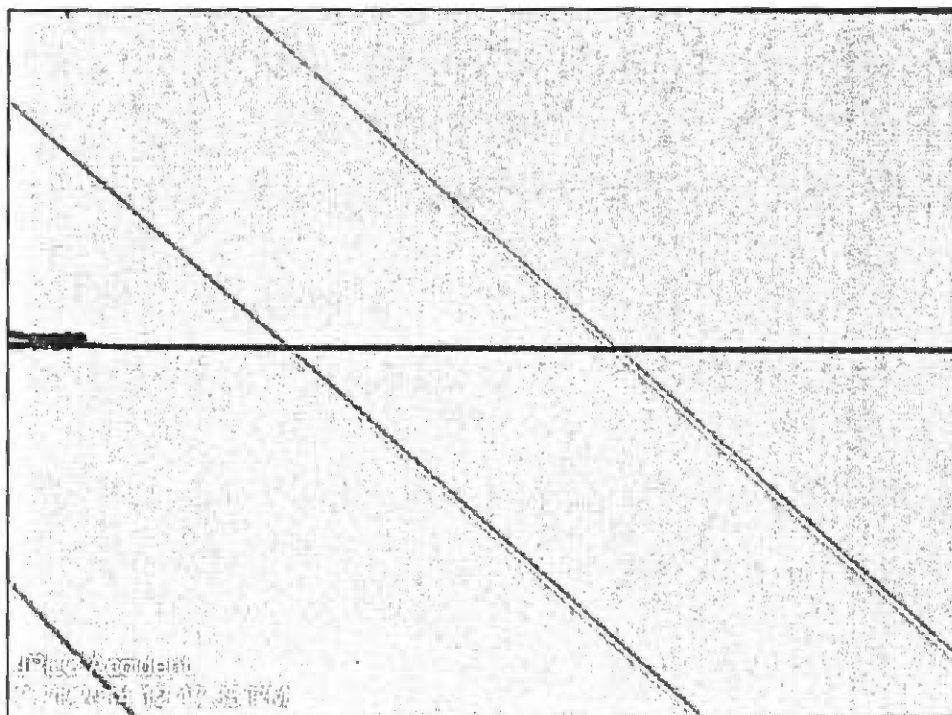
#14



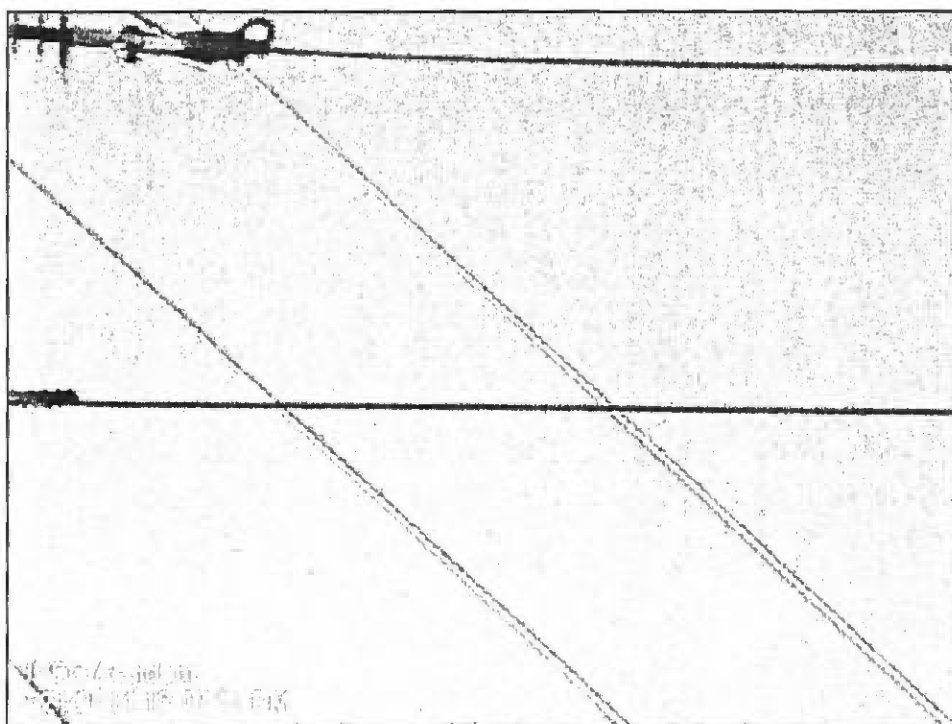
#15



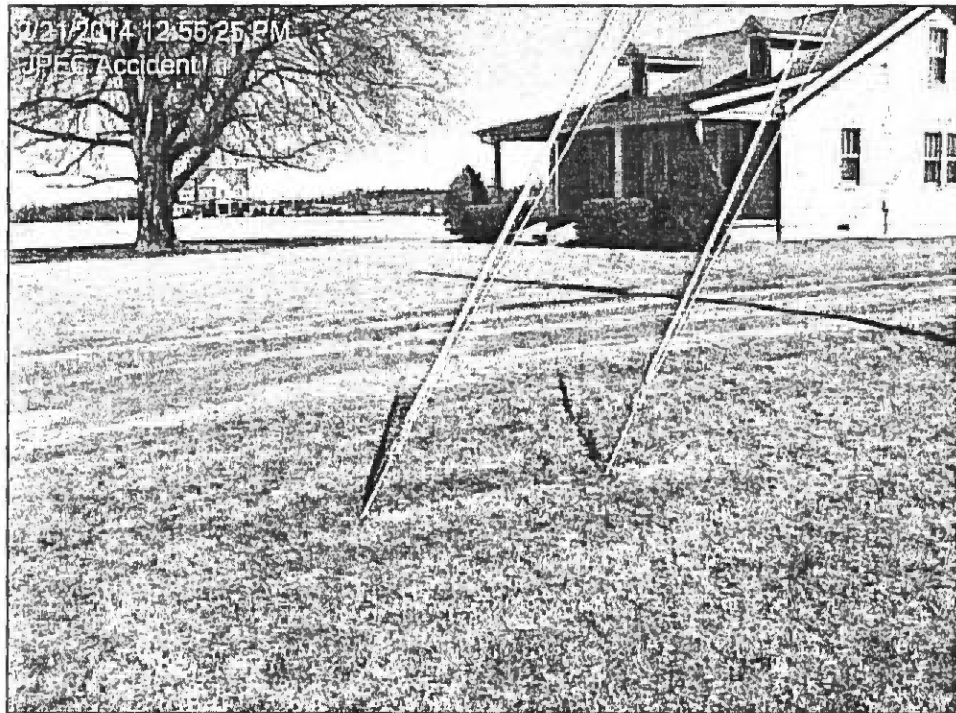
#16



**#17**



**#18**

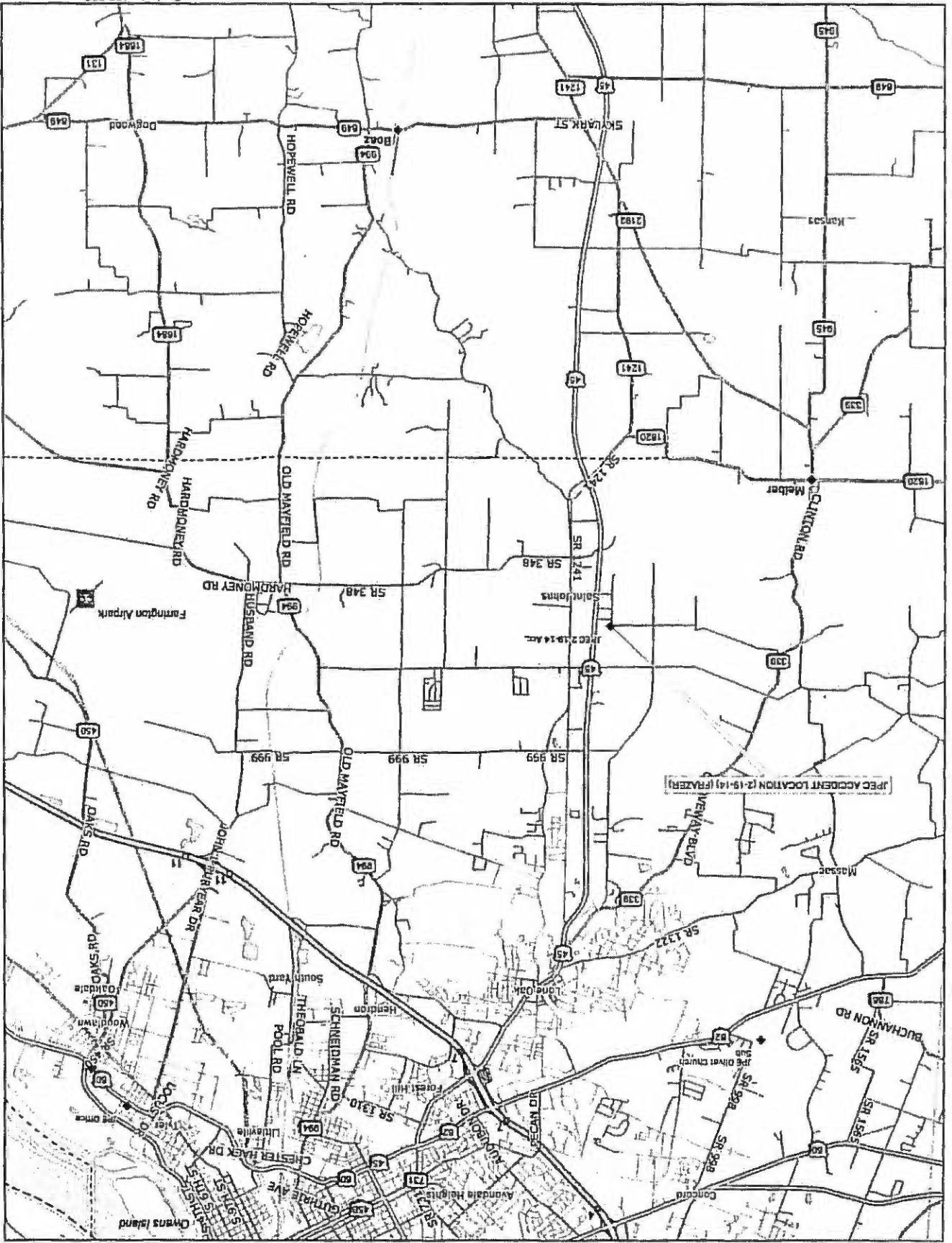


#19

**Attachment C**

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**KPSC Map of Accident Site**





**Attachment D**

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**KPSC Notification from Jackson Purchase**

## **Kingsolver, Steve (PSC)**

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**From:** Scott Ribble <Scott.Ribble@jpenergy.com>  
**Sent:** Thursday, February 20, 2014 12:28 PM  
**To:** Kingsolver, Steve (PSC)  
**Cc:** Kelly Nuckols; Murray Riley; Craig Gerke  
**Subject:** Contractor Contact

Mr. Kingsolver,

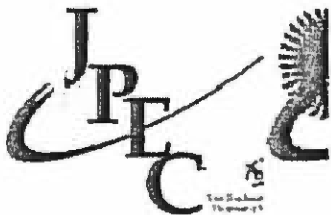
JPEC needs to report a contact that occurred yesterday with our contracting crew T&D Solutions. Initial reports from last night was that after the crew finished replacing a pole, the crew removed their cover-up as they descended the job. An apprentice on the ground proceeded to attach a guy to an anchor and made contact with a phase. Foreman and crew members examined the apprentice and could not find any visible marks. The apprentice seemed fine and did not want medical attention. The apprentice was taken to the ER and was treated and released at 7:20pm last night with no restrictions.

JPEC has begun an internal investigation and will forward any and all findings from our investigation along with any details from the contractor's investigation in this matter to you as soon as it is available.

Please let me know if you have any questions.

Sincerely,

Scott Ribble, P.E.  
V.P. of Engineering and Operations  
Jackson Purchase Energy Corporation  
P.O. Box 4030  
Paducah, KY 42002-4030  
270.441.0856 Direct  
270.442.5337 Fax



APPENDIX B

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 2014-00437 DATED **JAN 06 2015**

Jackson Purchase Energy Corporation (JPEC)  
Report of Incident on February 19, 2014

Incident Time: 2/19/2014 @ 2:10 pm CT  
Weather: Partly cloudy with temps in the mid 50's  
Cause: Contact with primary wire  
Affected Personnel: Dakota Frazer (T&D Contractor)

**Summary of Incident**

At 5:19 pm CT, Murray Riley (JPEC safety coordinator) received a phone call from Bryan Baldwin (T&D safety personnel) about a contact that had happened earlier in the day (2:10 pm. CT). that involved T&D apprentice Dakota Frazer.

T&D had been charged with completing a pole change out at ~~7525 Old Houser Rd.~~ <sup>6874 Contest Rd (MR) 12/10/14</sup> Paducah, KY. The job consisted of replacing a 45 foot pole with C-4 framing with a slight angle and 4 down guys, a transformer and two underground feeds. The crew began their work between 9 – 9:30am and de-energized the two underground feeds at roughly 10:45am. At one o'clock JPEC dispatcher tried to contract T&D crew to check up on them but could not make contact with the crew either by radio or telephone. Dispatch contacted Phillip Kendall and informed him that the crew could not be contacted. Phillip arrived on the job site at 1:40 pm and talked with the foreman and then left to check on another job in the area. At 2:05 the lead lineman Joe Simmons completed the work on top of the pole and removed his cover up and brought it to the ground to be handed off for storage. The foreman (Chad Culp) instructed the apprentice Dakota Frazer to put on rubber gloves and install the down guy in the existing anchor. The foreman is in the process of walking back to a truck to retrieve a plumb bob to aid straightening the pole when the apprentice makes contact with the guy wire to the top phase of the pole. The recloser located roughly 2.5 miles away operated under a hot line tag that was activated earlier that morning at 9:30 am as the upline protection on this job. The apprentice did not follow the instructions of the foreman and have his rubber gloves on and received a shock when the contact was made. He told his foreman he was ok, and they reenergized the recloser at approximately 2:15 pm. After completing the job, the apprentice was taken the ER to be checked out and contact was made Murray Riley at 5:19pm informing JPEC about the contact. The following day Thursday February 20 at 11:28 an email was sent to the PSC informing them about the contact.

**Damage Summary:**

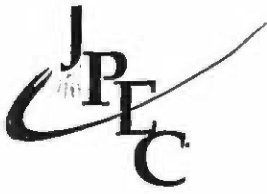
No damage to any property or equipment

**List of Attachments:**

Facility Map of area Involved  
Utility Photographs  
Copy of JPEC Outage Report  
Copy of T&D Job Briefing

APPENDIX C

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 2014-00437 DATED **JAN 06 2015**



December 15, 2014

Aaron Ann Cole  
Attorney  
Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40602-0615

RECEIVED

DEC 19 2014

PUBLIC SERVICE  
COMMISSION

RE: JPEC's contractor incident on February 29, 2014

Dear Ms. Cole,

It came to my attention yesterday that we had inadvertently used the wrong address in an incident report filed with Steve Kingsolver back in February of this year. Our Safety Coordinator was informed by Steve that the address in the report was different from other documentation turned in. The original address used was 7525 Old Houser Rd and the correct address should be 6874 Contest Rd. Mr. Kingsolver asked us to correct the mistake by writing in the correct address and submit the change back to him. This mistake in no way changes any of the facts or statements of the incident.

JPEC is sorry about the confusion and if you have any questions please let me know.

Sincerely,

Scott Ribble, P.E.  
V.P. of Engineering and Operations  
Jackson Purchase Energy Corporation

RECEIVED  
DEC 19 2014  
GENERAL COUNSEL



G. Kelly Nuckols  
President & CEO  
Jackson Purchase Energy Corporation  
2900 Irvin Cobb Drive  
P. O. Box 4030  
Paducah, KY 42002-4030