

State of California

DEPARTMENT OF FORESTRY
AND FIRE PROTECTION



INVESTIGATION REPORT

BDU Case Number: 07-3522-074

BDU Incident Number: CA-BDU-011627

BDF Case Number: 07-05-8695365

BDF Incident Number: BDF-2007-10575

Case Name: Cajon

Date: October 22, 2007

Incident Type: Vegetation Fire

Reporting Officer: Rodney J. Delgado ID # 1159

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1 **1- VIOLATION**

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3 ***Public Resources Code 4435***

4 If any fire originates from the operating or use of any engine, machine, barbecue,
5 incinerator, railroad rolling stock, chimney, or any other device which may kindle a fire,
6 the occurrence of the fire is prima facie evidence of negligence in the maintenance,
7 operation, or use of such engine, machine, barbecue, incinerator, railroad rolling stock,
8 chimney, or any other device. If such fire escapes from the place where it originated and
9 it can be determined which person's negligence caused such a fire, such person is guilty
10 of a misdemeanor.

11
12 ***Health and Safety Code 13009*** unequivocally provides that any person who negligently
13 sets a fire is liable for the suppression cost incurred in fighting the fire.

1 **2- SUMMARY**

2
3 On October 22, 2007, at 11:28 a.m., a 33kV transmission power line located on
4 the northeast side of Cajon Boulevard and southeast of Kenwood Avenue experienced a
5 circuit trip. At 11:29 a.m. a 9-1-1- cellular telephone call from an eye witness, W-2
6 GAUTHIER, reported arcing from the top of a power pole, and a fire starting near its
7 base. Both W-1 GAUTHIER and W-2 GAUTHIER had an unobstructed view from their
8 location at Kenwood Avenue and Cajon Boulevard near Interstate 15.
9

10 The fire burned 250 acres of land from Interste-15 and Kenwood Road southeast
11 to Interstate-15 near the Glen Helen Pavilion. The land is designated *State Responsibility*
12 *Area* under the direct protection of the San Bernardino National Forest (*Federal Direct*
13 *Protection Area commonly referred to as Federal DPA*). A multi-agency response from
14 local, state, and federal fire suppression forces was called to extinguish the fire.
15

16 The fire's cause and origin investigation determined the fire was the result of a
17 33kV power line (*power line hereafter referred to as a conductor*) detaching from its
18 supporting insulator allowing it to sway laterally under the influence of strong wind, and
19 it made contact with the adjacent conductor on the same cross arm resulting in arcing that
20 caused the fire. The equipment causing the fire is owned and maintained by Southern
21 California Edison.
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1 **3- RESPONSIBLE PARTY**

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3 S-1 Southern California Edison
4 Address: 2244 Walnut Grove Avenue, PO Box 900, Rosemead CA 91770
5 Office Phone (626) 302-1212
6

7 S-1 Southern California Edison is the owner of the 33kV transmission conductors
8 and supporting power pole.
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1 **4- VICTIM / WITNESSES**

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3 ***VICTIMS***

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5 V-1 People of the State of California

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7 The people of the State of California suffered economic loss as a result of the
8 closure of several main thoroughfares including Interstate15 and Interstate 215 for a
9 duration exceeding 12 hours. There is potential for further economic loss from potential
10 land erosion resulting from the loss of watershed as a result of the fire.

11
12 V-2 State of California Department of Forestry and Fire Protection

13
14 The State of California expended tax dollars to suppress the fire.

15
16 V-3 United States Government / Department of Agriculture

17
18 The United States Government Department of Agriculture expended federal tax
19 dollars to suppress the fire.

20
21
22 ***WITNESSES***

23
24 W-1 GAUTHIER, Julie (Resident)

25 Address:

26 Home Phone

27
28 W-1 Julie GAUTHIER can testify that on October 22, 2007, at approximately
29 11:30 a.m., she witnessed a blue ball of light, described as an arc, emitting from the top
30 of a power pole and a fire starting on the ground near its base.

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33 W-2 GAUTHIER Melissa (Resident)

34 Address:

35 Cell Phone

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37 W-2 Melissa GAUTHIER can testify 1) she was a passenger in the vehicle with
38 her mother-in-law when Julie GAUTHIER witnessed the arc above the power pole, and
39 2) W-2 Melissa Gauthier witnessed the fire starting immediately after Julie
40 GAUTHIER'S observation of the arc, and 3) she used her cellular telephone to call 9-1-1
41 and report the arching and fire.

1 W-3 EMORY, Eric (Lineman)
2 Employer: Southern California Edison
3 Address: 2244 Walnut Grove Avenue, PO Box 900, Rosemead CA 91770
4 Office Phone (626) 302-1212
5

6 W-3 EMORY can testify I made initial contact with him and he advised me the
7 top span of conductors above the fire were 33kV and were de-energized, and 2) he told
8 me approximately five minutes later the lower span 12kV conductors had de-energized
9 because something had caused them to trip. 3) He can also testify he requested assistance
10 for the fire to be extinguished on an H-frame power pole structure to prevent its collapse
11 that would have allowed the conductors to fall across Interstate 15.
12
13

14 W-4 GOLDSCHMIDT, Steven (Fire Prevention Technician Patrol-36)
15 Employer: United States Forest Service / San Bernardino Forest
16 Address: 602 S. Tippecanoe Ave San Bernardino, CA 92408
17 Telephone: (951) 316-3606
18

19 W-4 GOLDSCHMIDT can testify he secured the area of origin with flagging, and
20 he assisted with the preliminary fire scene examination.
21
22

23 W-5 HOLMES, Dennis John (Employed by Ames Construction Company)
24 Address: 9574 Sunnyslope Rd, Phelan CA 92371
25 Cell 951 323-4125
26

27 W-5 Holmes can testify he had seen the fire when it was approximately a 50'
28 diameter circle. He saw it while driving southeast on Cajon Boulevard approaching
29 Kenwood Avenue.
30
31

32 W-6 PAYAN, John (Fire Investigator)
33 Employer: San Bernardino City Fire Department
34 Address: 200 E 3rd St. San Bernardino CA 92410
35 909 344-3305
36

37 W-6 PAYAN can testify he provided me with information and pictures received
38 from W-8 CAMPBELL at the scene of the fire.
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1 W-7 SEDANO, Manny (Fire Prevention Specialist)
2 Employer: San Bernardino City Fire Department
3 Address: 200 E 3rd St. San Bernardino CA 92410
4 909 384-5388
5

6 W-7 SEDANO can testify he was with W-6 PAYAN when they made initial
7 contact with W-8 CAMPBELL, and he was also present when W-6 PAYAN provided me
8 W-8 CAMPBELL'S photographs as evidence.
9

10
11 W-8 CAMPBELL, Timothy Frederick (Consultant)
12 Address: 25544 Portola Lupe, Loma Linda CA 92354
13 Phone: Cell 909 528-1253, Wk 951 371-8715, Wk 2 888 346-9272
14 Employer WCPC Inspections tfcampbell@wcpci.com
15

16 W-8 Campbell can testify he saw the Cajon Fire after it started, and he drove to
17 the scene and took photographs as he approached the fire, and he provided his pictures to
18 W-6 PAYAN.
19

20
21 W-9 HARP, Kenneth (Fire Investigator / Law Enforcement Officer)
22 Employer: United States Forest Service / San Bernardino Forest
23 Address: 602 S. Tippecanoe Ave San Bernardino, CA 92408
24 Telephone: (909) 382-2600
25

26 W-9 HARP can testify he was present when I video recorded the subject power
27 pole, and he assisted W-4 GOLDSCHMIDT and me with the scene examination.
28

29
30
31 W-10 COKER, Chris (Claims)
32 Employer: Southern California Edison
33 Address: PO Box 900, 2244 Walnut Grove Ave. Rosemead CA 91770
34 Phone: 626 302-6937 / PAX 25830
35 Phone: 800 251-3311 / 23136
36

37 W-10 COKER can testify I provided a verbal briefing to him regarding my initial
38 observations and findings when he made his initial contact with me at about 3:30 p.m., on
39 10-22-07.
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1 W-11 PIMENTEL, Paul (Claims Representative)
2 Employer: Southern California Edison
3 Address: PO Box 900, 2244 Walnut Grove Ave. Rosemead CA 91770
4 Phone: 626 302-5830 / PAX 25830
5 Cell Phone: 626 695-4705
6

7 W-11 PIMENTEL can testify 1) I provided a verbal briefing to him regarding my
8 initial observations and findings when he made his initial contact with me at about 4:10
9 p.m., on 10-22-07, and 2) he was allowed to be in the area while I conducted my
10 examination, and 3) I allowed him to pick up a nut I had found on the ground and
11 photographed laying under the cross arm, and 4) he was present when I observed the
12 repair work made on the detached conductor, and 5) he was present when I photographed
13 the porcelain insulator and three aluminum tie wires brought down from the subject
14 power pole, and 6) he said all the items would be available for my inspection at the
15 Rosemead office, and 7) he told me on 10-23-07 at about 4:15 p.m., he would not
16 relinquish those same items to me when I made a telephone verbal request for them, but
17 he would make them available to me for examination, and 8) in a telephone conversation
18 on 10-30-07 at about 2:48 p.m., he told me he had checked and there was a circuit trip at
19 11:28 a.m., on 10-22-07, and 9) in that same conversation he said he had been to the site
20 on Friday, 10-26-07 and did not see any evidence of arcing while looking through
21 binoculars.
22
23

24 W-12 FRICK, Stephen (Special Agent)
25 Employer: U.S. Forest Service, Department of Agricultural
26 Address: 3644 Avtec Parkway, Redding CA 96002
27 Business Phone: (530) 226-2349
28

29 W-12 FRICK can testify 1) he was assigned to the Cajon Fire and we met for the
30 first time in my office on 10-23-07 at about 12:00 p.m., and after reviewing my
31 photographs, video, and a verbal briefing we went to the scene of the fires origin for his
32 review, and 2) he interviewed eyewitnesses W-1 Julie GAUTHIER and W-2 Melissa
33 GAUTHIER on 10-23-07, and 3) returned to the scene in the morning of 10-24-07 to
34 flag the burn indicators and take measurements and photographs and produced a sketch,
35 and 4) he provided a written statement from W-4 GOLDSCHMIDT.
36
37

38 W-13 DEATON, Donna (Special Agent)
39 Employer: U.S. Forest Service, Department of Agricultural
40 Address: 4260 Eight Miles Road, Camino CA 95709
41 Business Phone: (530) 647-5327
42

43 W-13 DEATON can testify she was present at the site of the fire when an
44 electrical engineer surveyed the site of the power pole and conductors.
45
46

1 W-14 RHODES, Mark (Dr. Rhodes, Electrical Engineer)
2 Pleasanton, CA
3 Email: mrhodes@rhodesengr.com
4 Phone: (925) 922-1674
5

6 W-14 RHODES (Electrical and Electronic Expert Witness and Forensic
7 Engineering) can testify he made an initial survey of the power pole and its components
8 on 11-06-07 at about 3:00 p.m.
9

10
11 W-15 LANNON, Douglas (Battalion Chief, Fire Prevention Supervisor)
12 Employer: California Department of Forestry and Fire Protection
13 Address: 3800 N Sierra Way, San Bernardino CA 92405
14 Business Phone: (909) 881-6920
15

16 W-15 LANNON can testify he was present during the 11-06-07 scene
17 examination, and he located a burned piece of wood that was photographed and collected
18 as evidence.
19

20
21 W-16 DEROSIER, Marc (Fire Investigator)
22 Employer: California Department of Forestry and Fire Protection
23 Address: 3800 N Sierra Way, San Bernardino CA 92405
24 Business Phone: (909) 881-6920
25

26 W-16 DEROSIER can testify he was present on 11-09-07 when I returned to the
27 scene and collected two items of interest as evidence.
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1 **5- EVIDENCE**

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3 See attached Evidence Log and Photographic Logs.

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6- CONDITIONS***Report of Fire***

The first report of the arcing power pole and fire was reported on October 22, 2007, at 11:29 a.m., by W-2 Melissa GAUTHIER using a cellular telephone to call 9-1-1 (See attachment: San Bernardino County Communications Center CAD Run Sheet).

Weather

The Devore Remote Automated Weather Station (RAWS) located 1-1/2 miles southeast of where the fire started reported a temperature of 69 degrees Fahrenheit, 8 percent relative humidity, and a wind speed of 16 miles per hour with gust of 35 miles per hour on October 22, 2007, at 11:10 a.m., 19 minutes before the fire started (see attached Devore RAWS data included with this report).

At about 12:00 p.m. the on-site weather condition was recorded just southeast of Kenwood Avenue on Cajon Boulevard with an electronic handheld weather instrument. The temperature was 68.6 degrees Fahrenheit, relative humidity was 4.2 percent, and a steady wind of 20 miles per hour with a gust of 31 miles per hour was recorded with the wind blowing from the northwest.

Subject Utility Pole and Conductor Location

A GPS reading using the NAD83 Map Datum (set to display hddd°mm'ss.s") recorded Latitude N 34° 14'03.0" / Longitude W 117° 25'28.1", near the base of the subject power pole. The elevation was about 2286 feet. Pole number 1745568E was the closest pole with identifying numbers, and it was located two poles northwest and one pole southwest of the subject pole.

Interstate 15

Interstate 15 is designated as northbound and southbound as it traverses through the Cajon Pass. It actually runs northwest to southeast in that area adjacent to the Cajon Fire's area of origin. The transmission power lines and their potential to fall across Interstate 15 resulted in the closure of Interstate 15. The southbound lanes of the freeway were closed from approximately 11:45 a.m., on October 22, 2007, until approximately 4:00 a.m., on October 23, 2007. The northbound lanes had been closed sometime around 5:00 p.m., and were reopened with the southbound lanes.

Special Agent Stephen Frick

W-12 FRICK conducted follow-up interviews with W-1 Julie GAUTHIER, and W-2 Melissa GAUTHIER, and his Memorandum of Interview (MOI) is attached to this report. He also collected the written statement from W-4 GOLDSCHMIDT and produced a sketch drawing.

1 Photograph statement of Correction

2 The photographs identified as 5(1) - 5(45), 6(1) - 6(25), 7(1) - 7(16), 8(1) - 8(17),
3 and 9(1) - 9(10) have an incorrect digital file time stamp as a result of the camera time
4 not being changed back one hour on November, 4 2007, for Daylight Savings Time. The
5 incorrect time is reflected only in the digital picture file properties information. The times
6 listed in the Photographic Log reflect the actual time the picture was taken.
7

8 Nomenclature

9 In this report the use of the word *conductor(s)* refers to the actual overhead power line(s)
10 supported at different intervals on power poles. Use of the word *carriage bolt* in this
11 report refers to a machined bolt of any diameter regardless if it is threaded in whole or in
12 part along its length, and regardless of the shape of its head on the end of it, and it is used
13 to attach hardware to a power pole.
14

15 Attachments

16 Additional attachments will be included in the case report as they become
17 available and will be referred to as Addendum Attachments. All entitled case report
18 holders will receive copies of the addendum attachments.
19
20

21 Lightning Activity Report

22 Lightning activity data was queried for October 22, 2007, 7:00 a.m., through
23 6:59 a.m. on October 23, 2007. No lightning activity was detected (report on page 108).
24 Source: Vaisala STRIKEnet® Report # 198271
25 Address: Tucson Operations, 2705 E. Medina Road, Tucson AZ 85706.
26 Phone: (520) 806-7300
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1 **7- VEHICLES**

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3 No vehicles were associated with the fire's cause.
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1 **8- PROPERTY**

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3 The fire burned approximately 250 acres of land designated State Responsibility
4 Area (SRA) under the direct protection of the San Bernardino National Forest (Federal
5 DPA).
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9- NARRATIVE***First Report of Fire***

On October 22, 2007, W-1 Julie GAUTHIER was driving southbound on Cajon Boulevard, and when she was near Kenwood Avenue and Cajon Boulevard she observed a large "blue ball of light" emitting from the top of a power pole located near the intersection. She estimated the light traveled five feet away from the top of the pole, and she described the blue ball of light as an "arc". Seconds after she witnessed the arc, a fire started on the ground near the power pole, and she described the fire spread as "really quick". W-2 Melissa GAUTHIER was a passenger in the same vehicle, and after she heard her mother-in-law exclaim "Did you see that!", or "Look at that", she saw the fire starting. The area they were looking at was approximately 150 yards away with a clear line of sight. Melissa GAUTHER used her cellular telephone to call 9-1-1, and she reported the arcing power pole and fire. San Bernardino County Communications Center received the call at 11:29 a.m., (refer to W-12 FRICK'S MOI with W-1 Julie GAUTHIER and W-2 Melissa Gauthier).

Assignment

On October 22, 2007, at about 11:35 a.m., I monitored fire traffic over the radio at my headquarters office located at 3800 North Sierra Way in the City of San Bernardino. I notified my dispatch center I was responding to the fire, and I photographed the smoke conditions I could see while enroute to the fire. The smoke was heavy dark grey colored smoke blowing towards the southeast. The winds were blowing strongly, and I passed two locations along Kendall Drive where the San Bernardino Police had controlled traffic to one lane due to large trees having fallen down because of the strong winds.

Arrival

At about 11:51 a.m., I arrived in the area on northbound Interstate 15 just southeast of Kenwood Avenue and parked next to the center medium and observed the fire was burning along its south side and along the south side of the southbound lanes. I took a picture of the fire and then exited onto Kenwood Avenue.

At about 11:54 a.m., I arrived in the area southeast of the intersection of Kenwood Avenue and Cajon Boulevard. There was a metal gate for restricting public traffic from entering Cajon Boulevard immediately southeast of Kenwood Avenue, and it was in the open position. I drove through and parked my vehicle on the east side of the gate, and I saw there were several Southern California Edison vehicles parked on the west side of it where Kenwood Avenue and Cajon Boulevard form a T-intersection.

I exited my vehicle to take photographs of the fire's backward spread. At about 12:00 p.m., I used a handheld weather instrument to take weather observations and recorded the temperature was 68.6 degrees Fahrenheit, and the relative humidity was 4.2 percent. The wind speed was steady at 20 miles per hour with gusts to 31 miles per hour, and it was blowing from the northwest.

1 Initial Status of Power Lines

2 There were power poles in and around the fire lined up in a northwest to a
3 southeast direction. I monitored my radio and heard the fire's incident commander
4 inquiring about the status of the power lines. At about 12:05 p.m., I drove back outside
5 the metal gate and made contact with W-3 EMORY, Lineman, who was sitting in his
6 Southern California Edison utility vehicle parked next to the gate, and I asked him if the
7 conductors were still energized. He said the top lines were 33kV transmission lines, and
8 they were not energized, but the bottom 12kV distribution lines were. I returned to my
9 vehicle to call the incident commander to report the status of the power lines but was
10 unable to get him on the radio. At about 12:10 p.m., EMORY approached me on foot and
11 said the bottom 12kV distribution lines were now de-energized because something
12 caused the circuit to trip.

13 Contact with W-4 GOLDSCHMIDT (USFS) and W-5 HOLMES (Water Tender Driver)

14 I decided to find the incident commander to relay this information, so I drove
15 back onto southbound Interstate 15 from Kenwood Avenue. The California Highway
16 Patrol had the southbound traffic stopped there. I passed the stopped traffic and saw a
17 person with a water tender on the northbound Interstate 15 center medium extinguishing
18 burning vegetation. I also saw W-4 GOLDSCHMIDT parked facing northbound in the
19 southbound lanes where traffic was stopped, and I got out of my vehicle to talk to him,
20 but he was giving instructions to fire personnel, so I drove over to the water tender at the
21 center medium and made contact with W-5 HOLMES.
22

23
24 At about 12:15 p.m., I identified myself to W-5 HOLMES and asked him if he
25 had been in the area when the fire started. In essence he provided the following
26 information: HOLMES was driving his company water tender, which was empty of
27 water, southbound along Cajon Boulevard and was approaching Kenwood Avenue when
28 he saw a fire, that he estimated to be 50-feet in diameter, burning in the brush located
29 near the large metal storage container on the edge on Cajon Boulevard inside of the metal
30 gate. He said the fire was burning between Cajon Boulevard and the freeway near the
31 metal container. He also said his coworker who had been driving ahead of him by a few
32 minutes did not see any fire, so HOLMES knew he was seeing the fire when it first
33 started. He drove to the Devore fire station southeast of Kenwood Avenue (a distance of
34 1.5 miles) to report the fire, and there were no other fires burning along the freeway. He
35 filled his water tender and returned to the fire to help put it out. He had no further
36 information. I collected his identifying information and made contact with
37 GOLDSCHMIDT to tell him where HOLMES had put the fire origin when it was first
38 starting and I was going there to start the investigation. He said he would follow me as
39 soon as he finished giving an assignment to a fire crew.
40

41 I returned to Cajon Boulevard just inside of the metal gate at about 12:25 p.m.,
42 and saw three individuals, and I recognized one as a Southern California Edison
43 employee. I asked the three individuals not to do any work in the area I designated, from
44 the metal gate southeast to a power pole on the ridgeline, so I could conduct my
45 investigation. They acknowledged my request and walked back outside the metal gate,
46 and I took 3 pictures of a power pole just north of pole # 1745568E near the metal

1 container. After taking the pictures I saw W-6 PAYAN and W-7 SEDANO approaching
2 me on foot from their vehicle they had parked just inside the metal gate.
3

4 ***Contact with W-6 PAYAN, W-7 SEDANO (San Bernardino City Fire Investigators),***
5 ***evidence photos from W-8 CAMPBELL (Consultant)***

6 At about 12:30 p.m., W-6 PAYAN told me he had collected information from an
7 individual who was seen near the Kimbark Elementary school on Kenwood Avenue north
8 of the freeway, and he had identified the individual as W-8 CAMPBELL. Contact was
9 made with him when he was seen taking pictures of the fire. PAYAN related to me that
10 CAMPBELL said he had been over by the Glen Helen / Interstate 15 area when he saw
11 the fire first starting. He drove towards the fire and took several pictures as he
12 approached Kenwood Avenue. He also took a picture from outside of the metal gate
13 looking towards the fire, and he was able to provide copies of the photographs on 8-1/2"
14 by 11" size paper from a portable printer he had in his vehicle. PAYAN provided
15 CAMPBELL'S vehicle description for me and said he ran a vehicle registration check,
16 and the car was leased from Enterprise Car Rental to a company named WCPC
17 Inspections, which CAMPBELL said he worked for. CAMPBELL provided his business
18 card to PAYAN. W-7 SEDANO included the information the vehicle had a red white and
19 blue emblem on the rear window showing "In Memory of 26". SEDANO indicated the
20 size of the emblem was about 9 to 12 inches square. PAYAN provided me the original
21 six printed photographs given to him by CAMPBELL, and I marked each with "Cajon,
22 BDU 11627 @ 10-22-07; photo by Campbell" and I preserved them as evidence logged
23 at 12:45 p.m. Two of the photographs were of the same image.
24

25 ***Area is Secured***

26 W-4 GOLDSCHMIDT, USFS, arrived at the scene at about 12:50 p.m., and we
27 sat in his vehicle while I briefed him on all the information I had gathered up to that
28 point. He turned his vehicle to a northeast facing position, allowing us to view
29 CAMPBELL'S photographs and orient the landmarks in the images with the landmarks
30 in our line of site. I told him CAMPBELL'S photograph showed the metal gate had
31 been in a closed position, but the gate was open when I first arrived at the scene.
32 GOLDSCHMIDT said the gate had been closed when he first arrived, and a Southern
33 California Edison employee had opened the gate for him.
34

35 While comparing power poles in the photograph with the poles closest to where
36 we were parked in GOLDSCHMIDT'S vehicle, I noticed a single 33kV conductor was
37 swinging laterally back and forth and making contact with the adjacent conductor on the
38 southwest end of the top cross arm attached to the power pole. I also noted
39 CAMPBELL'S photograph captured this same power pole, and the conductor was
40 detached from the insulator at the time he took his picture. Furthermore, the fire was
41 burning southeast of the same power pole on the downwind side, with no fire on its
42 northwest or southwest side.
43

44 At this point I suspected the subject power pole with the detached conductor was
45 associated with the start of the fire, and GOLDSCHMIDT put flagging across the
46 opening of the metal gate entrance and along the northeast side of Cajon Boulevard to

1 secure the surrounding area.

2
3 ***Initial Close-up Examination of Subject Power Pole***

4 At about 1:35 pm, GOLDSCHMIDT and I hiked up the hillside approximately
5 150 feet towards the north to examine the area. The subject power pole was a vertically
6 upright wooden pole with a protective metal wrapping surrounding its circumference
7 from the ground level to a point approximately just below half its total height.

8
9 Two individual cross arms were attached to the upper portion of the pole. Both
10 cross arms were oriented with their longer ends pointing northeast to southwest. Each
11 cross arm supported three insulators, with one insulator being on the extreme southwest
12 end of the cross arms and two insulators on the northeast half of the cross arms.

13
14 The lower cross arm's insulators were grey in color and each was equipped with a
15 clamping system to hold the individual 12kV conductor in place. Each of the lower
16 insulators were secured to the cross arm by way of a bolt running vertically from the
17 bottom of the insulator through the cross arm and secured from the underside of it with
18 two flat washers and a nut.

19
20 The upper cross arm insulators were brown colored porcelain with each having
21 three bell-shaped convolutions topped with a collar that was narrower at its base and
22 wider at its top end. The insulator's convolutions and collar were molded as a single
23 piece of hardware. A "V" shaped groove was engineered into two sides of the collar
24 opposite each other to provide a depression for the 33kV conductor to lay across it in a
25 cradled fashion. The individual conductor was secured to the insulator by a system of
26 wrapping an approximately 1/4-inch diameter aluminum non-insulated tie wire around the
27 conductor on each side of the insulator, and also wrapping the wire around the collar at
28 the top of the insulator. The upper cross arm's three insulators were secured to it by way
29 of a bolt running vertically from the bottom of each insulator through the cross arm and
30 secured from the underside of the cross arm with two flat washers and a nut. The center
31 conductor over the top cross arm had become detached from its insulator, and the tie
32 wires which had been secured around the collar where protruding outward away from the
33 conductor approximately 9 to 12 inches.

34
35 Each cross arm had a single ground wire running along its length. The ground
36 wire was attached in-series to each of the three insulators. The ground wire was wrapped
37 around the bolt extending down from the bottom of the insulator and compressed
38 between the two flat washers held in place by the nut on the underside of the cross arm.
39 The ground wires did not descend to ground level.

40
41 Both the upper and lower cross arms were intended to be stabilized with a "V"
42 shaped metal brace attached to the pole and to the underside of each cross arm. Each V-
43 brace had three locations for attaching it in place with a carriage bolt running through
44 each of the holes drilled through it. The locations of the drilled holes on the brace were
45 on the ends and at the "point" of the "V". I had observed the upper cross arm's V-brace
46 had been rotating as the wind gust had steadily increased in strength from the time of my

1 arrival, and the brace stopped rotating after the end of the V-brace reached an
2 11-o'clock position as viewed from the west side. I also observed the top cross arm's
3 northeast and southwest ends were rocking up and down in a teeter-totter motion for lack
4 of support from the V-brace. The free movement of the V-brace indicated the nuts
5 securing it to the upper cross arm were not in place.

6
7 While we were on the hillside examining the area the winds had continued to
8 increase, and a "firing-out" operation had been started at the intersection on Kenwood
9 Avenue and the on-ramp to southbound Interstate 15. The smoke and ash started to blow
10 directly into our area, so we returned to our vehicles and waited for conditions to improve
11 before continuing our examination around the power pole. During our initial
12 examination, I took photographs of the power pole cross arms and the area to the
13 southwest actively burning as a result of the firing out operation.

14 15 ***Interstate 15 Closed in Both Directions***

16 At about 2:47 p.m., W-3 EMORY contacted me on Cajon Boulevard south of the
17 subject power pole, and he asked if somebody could extinguish a fire that was burning on
18 the ridgeline northeast of the subject power pole on one of two poles supporting a single
19 structure EMORY referred to as an H-frame. He said if the pole collapsed it would twist
20 and the power lines would fall across Interstate 15. GOLDSCHMIDT contacted the
21 Cajon Operations Chief, and fire crews extinguished the fire, but Interstate 15 was shut
22 down until the H-frame structure was reinforced with another pole the next morning.

23
24 Between 2:51 p.m. and 3:15 p.m., I observed the wind conditions increase, and I
25 took photographs of the subject power pole to document the lateral swaying of the loose
26 conductor making contact with the conductor on the southwest end of the upper cross
27 arm, and its up and down rocking motion. I then contacted my dispatch center and asked
28 dispatcher Chris Nichols to check how the initial report of the fire was received, and I
29 told him I would call him back for that information. During the time I was taking
30 pictures, W-9 HARP arrived at the scene.

31 32 ***Contact with W-9 HARP (USFS Law Enforcement), and Video Record Subject Power Pole***

33 W-9 HARP sat in my vehicle and I briefed him on all the information I had up to
34 that point. As we were discussing the action of the swaying power line I used my digital
35 camera, which has a video camera function, and I started video recording the subject
36 power pole and its conductors at 3:25 p.m., until 3:28 p.m., narrating my observations as
37 they occurred. Ken HARP was present while I recorded this video.

38 39 ***Contact with W-10 COKER***

40 At about 3:30 p.m., W-10 COKER identified himself as a Southern California
41 Edison claims representative and was inquiring about the cause of the fire. I told COKER
42 I was the fire investigator and was conducting my initial investigation around the subject
43 pole based on my witness account from W-5 HOLMES who saw the fire starting, and
44 based on a photograph provided by W-8 CAMPBELL showing the fire, and on my
45 observation of the conductor swaying loose with the wind. I told him when I first arrived
46 and talked to W-3 EMORY, he told me the 33kV power lines had tripped. I asked

1 COKER if he could tell me what time the circuit trip had occurred. He answered his
2 supervisor was on the way, and he would have to provide the information for me.

3
4 ***Contact with W-11 PIMENTEL (Claims Representative)***

5 At about 4:10 pm, W-11 PIMENTEL arrived at the scene, and I briefed him on
6 the same information I had given to W-10 COKER. W-4 GOLDSCHMIDT, W-9 HARP
7 and I began our second examination of the power pole and surrounding area. PIMENTEL
8 asked if he could accompany us to take pictures, saying he would not interfere with our
9 investigation, and I agreed he could.

10
11 ***Subject Power Pole and Area Scene Examination***

12 When we got up to the subject pole GOLDSCHMIDT and HARP began
13 examining the area, and I set my camera to take continuous pictures so I could capture
14 still-frame movement of the center conductor. I took a series of 37 pictures, and while I
15 was standing under the power pole, I could see that two of the three nuts used to attach
16 the V-brace in place to support the lower cross arm were missing. Specifically, the nut
17 that would have been attached to the underside of the cross arm's southwest end, and the
18 nut attaching the point of the V-brace to the power pole were missing. I looked below the
19 cross arm and saw a single square-shaped nut lying on top of the burned ground. I
20 encircled the nut on one side with my probing hook that has an opening of 4-1/2 inches
21 for a visual size reference and took photographs of the nut. I placed a yellow flag marker
22 next to the nut and took photographs to show the distance of the nut from the base of the
23 power pole and estimated the distance was about 6 feet away on the south side. I found a
24 carriage bolt long enough to pass through the diameter of a power pole lying on the
25 ground on the west side of the subject power pole's base, but could not see any location
26 on the pole from where this piece of hardware could be missing, and attributed its
27 existence to work previously performed in the immediate area. After examining the nut,
28 PIMENTEL asked me if he could take a closer look at the nut and take a photograph of it,
29 and I said yes. While he was looking at the nut, I expressed my opinion it appeared, due
30 to the fact there were nuts missing from the lower cross arm V-brace, and the fact the
31 upper cross arm V-brace had rotated clockwise, that there had not been any recent
32 maintenance on the subject power pole cross arms, because if there had been the nuts
33 would have been tightened, and/or the missing nuts replaced, and PIMENTEL agreed
34 with me. He also said he did not see any signs of arcing while looking up at the cross
35 arms, and I told him I still wanted to look at the items on top of the pole when it was
36 repaired. He said it probably would be a while before repairs to the subject pole would be
37 made, because the H-frame support pole had to be repaired first so Interstate 15 could be
38 reopened, and repairs would begin as soon as I finished. I told him as soon as we finished
39 looking at the indicators on the ground, I would release the scene back to Southern
40 California Edison so they could begin their repair work and open up Interstate 15, and I
41 would wait at the scene for the repair work on the subject pole to be completed.

42
43 I rejoined GOLDSCHMIDT and HARP in their search of the area surrounding the
44 power pole. During the examination of the ground area I noted the burn indicators,
45 including the evidence of the intensity of the burning, by looking at where vegetation was
46 completely consumed versus partially consumed, and that area of vegetation sheltered by

1 other objects such as rocks. The appearance of partially burned vegetation was examined
2 for the location of burn upon its structure, angle of cupping on the tips of vegetation, and
3 the appearance of leaf freeze. The location of smoke staining on rocks and on the power
4 poles was noted. At the time of my arrival at the fire I witnessed the area back-burning
5 from northwest of the subject power pole counterclockwise to the southwest, and
6 W-8 CAMPBELL'S photograph showed the area that had not yet burned upon his arrival.
7 Based on the observed burn indicators, my initial on-scene observations, and on the
8 witness photograph, my preliminary general area of origin was placed on the northeast to
9 southeast side of the subject power pole.

10
11 During the examination of the area, I eliminated other possible causes of the fire.
12 The area in and around the general area of origin was examined for items suspicious in
13 nature having characteristics associated with a device made to start a fire, as well as items
14 or objects recognizable as having been fireworks, or smoking material, and none were
15 found. Objects capable of magnifying the sun's rays such as broken glass were not found.
16 The closest railroad tracks were approximately 2000 feet southwest of the general area of
17 origin. There were no vehicle tracks in or around the immediate area on the hillside
18 above, below, or to either side of the general area of origin. Interstate 15 was
19 approximately 370 feet northeast of the subject power pole and was below the level of a
20 ridge line separating Interstate 15 and the general area of origin. There was no evidence
21 of discarded smoking material in the area. Cajon Boulevard was approximately 150 feet
22 southwest of the general area of origin, and the gate denying access restricting vehicle
23 traffic to this area was reported as being closed upon W-4 GOLDSCHMIDT'S arrival at
24 the fire. An examination along the edge of Cajon Boulevard revealed additional hardware
25 associated with power poles lying in the drainage parallel to the road, but no items were
26 found that I could determine were a cause or contributor to the fire's start. A large
27 diameter pipe used to channel water runoff under Cajon Boulevard was located
28 approximately 450 feet southeast of the subject power pole. The pipe was large enough
29 for a person to enter into it and was typical of an area associated with transient persons
30 taking refuge. The inside of the pipe was examined, and there was no evidence of
31 habitation or evidence any type of warming fire had been used. There were no stores,
32 schools, places of business, or parks in the immediate area that would promote foot
33 traffic, and there was no evidence or reports of persons being in the restricted area
34 southeast of the metal gate at the time the fire was reported. Although the weather was
35 extreme as it pertained to the high wind and low humidity, there were no reports of
36 precipitation, cloud cover, or lightning activity before or after the report of the fire. As a
37 result of these observations, fire causes associated with incendiary devices, fireworks,
38 railroad activity, vehicles or vehicle exhaust, smoking, camp or warming fire,
39 spontaneous combustion, persons playing with fire, and lightning were excluded.

40
41 W-9 HARP and I completed our examination and returned to the road while
42 W-4 GOLDSCHMIDT continued his search of the area. He did locate what appeared to
43 be a piece of flat metal 16 inches to 24 inches long lying on the ground on the down slope
44 side southeast of the subject power pole, and it resembled an old piece of power pole
45 hardware. There was evidence of a previously burned power pole immediately adjacent
46 to the power pole, located two poles southeast of the subject power pole. I photographed

1 GOLDSCHMIDT on the hillside where he found the flat piece of metal. After
2 photographing the metal piece, I returned to the subject power pole to take a GPS
3 reading.

4 At about 5:25 p.m., I told W-11 PIMENTEL they could start their repairs, and I
5 would remain at the scene to examine the subject poles' cross arm components when they
6 made those repairs. He asked me if I could provide the names and phone numbers of the
7 witnesses I had talked to and the report time of the fire, and I provided him all the witness
8 information I had up to that point. I called my dispatch center to get the information I
9 requested earlier regarding the first report of the fire and was told the initial call came in
10 via a cellular 9-1-1 phone from a "passerby". The call was received at 11:29 a.m., and I
11 gave this information to PIMENTEL.

12
13 At approximately 6:00 p.m. I advised GOLDSCHMIDT and HARP I would
14 remain at the scene and released them from the preliminary examination, and they
15 departed from the scene some time after my advisement. I remained in my vehicle
16 waiting for the repairs. While waiting in the immediate area, W-11 PIMENTEL also
17 remained at the scene. At one point he told me the repair crews were waiting for a
18 bulldozer that was enroute to the scene, but it was delayed in traffic due to the closure of
19 Interstate 15. He told me when it got there it would first have to cut a road up to the
20 H-frame power pole structure to make the repairs, and after those repairs were made a
21 road would be cut to the subject power pole and work would start there.

22 23 ***Repairs to Subject Power Pole***

24 The bulldozer arrived at about 11:00 p.m., and it made a road to the H-frame
25 power pole. Once the road was cut into the hillside, the repair crews attached a second
26 support pole to the burned pole. On October 23, 2007, at approximately 3:00 a.m., the
27 roadwork to the subject pole began, and then a PAR Company utility vehicle (contractor
28 for Southern California Edison) with a truck mounted aerial lift bucket was positioned
29 next to it. Two PAR employees were lifted up to the cross arm position while a third PAR
30 employee remained at ground level next to the vehicle. I was on the ground next to the
31 vehicle with PIMENTEL. I photographed the lift bucket while positioned next to the
32 subject power pole's upper cross arm, and then one worker removed the three sections of
33 wrapped aluminum tie wire from the center 33kV conductor with his gloved hand and
34 dropped the pieces onto the floor of the lift bucket. He then yelled down to PIMENTEL
35 and said the insulator was "O.K.". I told PIMENTEL I wanted to see the center insulator,
36 so the crew removed the insulator and replaced it with a new insulator with a clamping-
37 type system for securing the conductor in place. At ground level I photographed the
38 aluminum tie wires and the top and bottom of the insulator. The top of the insulator did
39 not appear to be missing any pieces of porcelain around the collar or the three bell-shaped
40 convolutions. There was no discoloration that would indicate arcing had occurred
41 immediately on top of this insulator. There were scratch marks on the collar where the
42 detached conductor had slid back and forth across the rim of its top edge. The bolt
43 attached to the underside of the insulator was examined, and the portion of bolt that
44 would be protected by its insertion through the cross arm had evidence of discoloration
45 similar to burn marks. The three individual aluminum tie wires were examined, and they
46 were approximately 18 inches to 24 inches in length. I photographed their lengths and

1 their ends to document the different marks and discolorations on the wires, and to
2 identify the wires for future examination. In the low light, and without the assistance of
3 magnification, I did not see any outstanding marks suggesting molten aluminum on the
4 wire ends, but there were smaller markings I wanted to examine under the magnification
5 of the digital pictures. I did not collect the tie wires or the insulator since I had
6 photographed them and PIMENTEL told me they would be secured at the Rosemead
7 office available for examination upon request. After my examination I advised
8 PIMENTEL I needed to leave the scene for another fire that had been reported around
9 1:00 a.m. not far from the Cajon fire, and I would be contacting him on the telephone for
10 follow up information. As I was leaving, one of the PAR linemen told me they were
11 going to go back up and tighten some nuts. I cleared the scene on October 23, 2007, at
12 about 4:55 a.m.
13
14

15 ***Special Agent Stephen Frick***

16 On October 23, 2007, at about 8:30 a.m., I received a phone call from Cal Fire
17 Chief Pete Marquez advising me W-12 FRICK, Special Agent from the U.S. Forest
18 Service, had been assigned to the Cajon Fire incident. At about 12:30 p.m., FRICK
19 arrived at my office in San Bernardino, and I provided him with a verbal briefing of the
20 fire, and we reviewed the photographs and video I had taken. We then drove to the scene
21 of the fire for additional examination, and Special Agent Frick took some photographs. I
22 called W-11 PIMENTEL on his cellular phone to tell him I had decided I wanted to
23 collect the aluminum tie wires and insulator in his possession, and he replied he would
24 make them available for my inspection but he was not going to relinquish control of the
25 items to me. I contacted Chief Marquez to advise him of the situation, and he said he
26 would make a follow-up call to PIMENTEL the following day when I met with him to
27 provide my preliminary briefing. Before we cleared the scene, Special Agent Frick and I
28 established we would meet back at the scene the following morning so he could use
29 colored flags to mark burn indicators and draw a sketch of the fire's area of origin, and he
30 would also make contact with the initial reporting party to obtain a statement.
31

32 ***Area of Origin Documentation***

33 On October 24, 2007, at about 9:30 a.m., I met Special Agent Frick back at the
34 scene of the subject power pole. He used red, white, and blue colored flags to mark burn
35 indicators and items of interest. We both took photographs of the area, and I examined
36 the area looking for any additional items to note, but none were found and we cleared the
37 scene at about 12:30 p.m.
38

39 ***Second verbal request to W-11 PIMENTEL for insulator and tie wires***

40 At about 1:30 p.m., I met with Chief Marquez at the Riverside office and briefed
41 him on the status of the Cajon Fire investigation, including my request to W-11
42 PIMENTEL for possession of the aluminum tie wires and insulator and PIMENTEL'S
43 denial of my request to take possession of those same items. Chief Marquez subsequently
44 called PIMENTEL on the phone at about 2:00 p.m. and he reported back to me that
45 PIMENTEL had given him the same answer as he had given me the day before. I finished
46 my meeting with Chief Marquez at about 2:30 p.m., and I returned to my office to

1 examine the digital photographs I had taken.

2
3 ***Additional evidence of arcing located***

4 While reviewing the digital photographs on my computer, I realized I had
5 captured evidence of arcing on the center conductor in the form of groove impressions
6 molded into the contour of the conductor (photo 2-27). Upon magnified examination, it
7 was noted the construction of the conductor was comprised of individual wire strands laid
8 side by side and wrapped spirally upon each successive layer to form the desired diameter
9 of the conductor. The visible groove impressions on the underside of the conductor were
10 impressed into the outside layer of individual wire strands to a depth that appeared to be
11 almost halfway through the individual wires. The recesses in the grooves were shiny and
12 smooth, and the area of conductor immediately adjacent to the grooves had a darker oval
13 discoloration than the rest of the conductor. I interpreted this darker area to be flash
14 marks from the arc. The grooves were situated in a location between the aluminum tie
15 wires that were wrapped around the conductor to hold it in place on the insulator. These
16 same grooves were photographed two weeks later (11-6-06 Photo # 6-3) and had the
17 same shape and appearance, and the aluminum tie wires were no longer in place because
18 the new insulator had a clamping-type system to hold the conductor, eliminating the need
19 for tie wires. It was evident the grooves were not the result of long duration compression
20 from the tie wires being wrapped around it because in comparison, that area of conductor
21 on each side of the grooves that no longer had tie wires wrapped around it had not created
22 any type of impression other than a slight spiral discoloration. It was my conclusion the
23 grooves were the result of electrical arcing.

24
25 ***Aerial Photographs of Subject Power Pole***

26 On October 25, 2007, at about 12:00 p.m., I took aerial photographs of the Cajon
27 Fire area of origin. While over the subject power pole I took a total of 45 pictures. After
28 reviewing magnified close-ups of the digital pictures on my office computer, I
29 determined there was visual evidence of discoloration which was most likely residue
30 resulting from an electrical arc on top of the insulator located at the southwest end of the
31 upper cross arm on the subject power pole, and the appearance of the discoloration could
32 not have been seen from below the insulator because of its location on top of the
33 insulator.

34
35 ***Verbal confirmation of Cajon Fire Circuit Trip by W-11 PIMENTEL***

36 On October 30, 2007, at about 2:24 pm, I spoke to W-11 PIMENTEL on the
37 telephone, and he told me "the circuit trip on the Cajon fire was at 11:28 a.m.". He also
38 said he had been out at the site of the subject power pole on Friday (10-26-07), and he did
39 not see any evidence of arcing with his binoculars. I told him I flew over the subject pole
40 in a helicopter, and it did look to me like arcing had occurred.

41
42 ***Additional Photos of Insulator with Signs of Arching***

43 On November 4th, at about 9:30 a.m., I returned to the scene of the subject power
44 pole, and I was accompanied by Cal Fire Captain Gary Aguilar. I had asked him to come
45 with me in the event I needed assistance while taking pictures. Once on scene, I walked
46 around from the northwest to northeast to the southeast perimeter of the subject power

1 pole to provide different angles for taking pictures from below, above, and level with the
2 subject power pole insulators. I used a 300 millimeter camera lens to document the visual
3 evidence of discoloration on the insulator located on the southwest end of the upper cross
4 arm on the subject power pole. After taking these pictures I noticed the second power
5 pole southeast of the subject pole had insulators on the top cross arm similar in shape and
6 size to those on the top cross arm of the subject pole. The conductors were attached to
7 these insulators in the same fashion using aluminum tie wires. The insulators appeared to
8 be tilting towards the subject pole at an angle suggesting excessive tension was being
9 applied to the tops of the insulators resulting in the twisting of the upper cross arm they
10 were attached to. I also noted that on the third power pole southeast of the subject power
11 pole were nuts that secure the V-brace on the underside of the lower cross arm. The
12 carriage bolt which the nut would have been attached to was no longer passing through
13 the hole in the V-brace on its northeast end but was butting against the edge of it. I
14 photographed these observations and left the scene at about 11:00 a.m.

15
16 ***Scene examination by Electrical Engineer W-14 Dr. Rhodes***

17 On November 6, 2007, at about 3:00 p.m., I returned to the site of the subject
18 power pole and met W-13 DEATON (USFS Special Agent) who had called me the week
19 before to advise me W-14 RHODES, an electrical engineer, was going to be in the area
20 and he would come to the site to examine the subject power pole. W-15 LANNON
21 accompanied me to the site. Upon our arrival, DEATON and Dr. RHODES were at the
22 site, and I took additional pictures of the ground wire configuration on the underside of
23 the top and bottom cross arms. Dr. Rhodes said he would like to see the tie wires and
24 insulator that had been removed as well as the insulator still in place on the top cross arm
25 at the southwest end of the subject power pole. He said he would examine these
26 components once they became available. While examining the area around the subject
27 power pole, LANNON noted a small piece of burned wood similar in appearance to the
28 wood material of the subject pole, and it was collected as an item of interest and logged
29 in as evidence. We cleared the scene at about 4:30 p.m.

30
31 ***Original Digital Photographs taken by W-8 CAMPBELL***

32 On November 9, 2007, at 8:46 a.m., I received an email forwarded to me from
33 W-6 PAYAN containing the digital photographs W-8 CAMPBELL had taken the day the
34 Cajon Fire started. I was able to review the photographs with closer scrutiny by
35 magnifying the digital image, and I noted an indistinguishable darker area on the
36 conductor near the insulator it had become detached from. I contacted W-16 DEROSIER
37 and asked him to meet me at the site to determine what the dark spot in the digital image
38 may have been. We arrived at the scene at about 2:00 p.m., and I again examined the
39 length of the conductors on both the top and bottom runs between the subject pole and
40 one pole to its southeast using binoculars, checking for any type of evidence or burn
41 marks along the conductors, and none were found. I did locate a piece of aluminum tie
42 wire approximately 70 feet away from the subject pole and 22 feet downhill of the
43 conductors. I photographed the tie wire and then collected it. DEROSIER had located
44 another length of tie wire approximately 250 feet southeast of the subject pole along the
45 edge of Cajon Boulevard, and I collected it as evidence showing the area was littered with
46 different components associated with power poles and conductors. After my examination

1 I took photographs from the same location W-8 CAMPBELL had taken his photograph
2 for a before and after comparison. After my examination I concluded the dark spot on the
3 center conductor in CAMPBELL'S digital photograph was the tie wires hanging free
4 where they had detached from the center insulator. We left the scene at about 3:45 p.m.
5

6 ***Additional evidence showing lack of maintenance on power poles***

7 On December 9, 2007, I was reviewing all the photographs I had taken at the
8 Cajon Fire for details and noted several photographs taken on November 9, 2007,
9 showing the missing nut on an adjacent power pole V-brace were of poor quality with
10 minimal photographic detail. I therefore returned to the scene to photograph the same
11 area with the use of a mirror to reflect light up onto the subject. I was assisted by the
12 engine company fire crew from the Devore fire station commanded by Captain Terry
13 Acrey. We arrived at the scene at about 2:40 p.m., and we walked up to the power pole
14 located two poles southeast of the subject pole. While a firefighter focused light onto the
15 underside of the cross arms with a mirror, I took pictures of the single missing nut on the
16 lower cross arm V-brace at the northeast end of the cross arm, and we cleared the scene at
17 about 3:40 p.m.
18

19 On December 10, 2007, at about 12:30 p.m., I returned to the Cajon Fire scene at
20 the third power pole southeast of the subject power pole, and I photographed the lower
21 cross arm which was missing two nuts, one nut from the northeast side, and one nut from
22 the southwest side of the lower cross arm. The carriage bolt, which I also photographed
23 on November 9th, was still in its original position butting against the edge of the V-brace
24 instead of passing through the V-brace hole as it was intended to when secured with the
25 nut. This provided evidence that a missing nut allowed the cross arm to rock up and down
26 to the point of becoming free of the carriage bolt. I photographed a small oval-shaped
27 metal tag nailed to this pole which read "OSMOSE / INSP 2000". There was another
28 half-moon shaped metal tag behind this tag with the name or word "WOODFUME".
29 After photographing the tags, I noted the GPS location of this pole as Latitude
30 N 34° 14'01.0" / Longitude W 117° 25'22.8", and then I cleared the scene at about
31 1:40 p.m.
32
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46

1 11. Other causes for the Cajon Fire were eliminated.
2

3 The most probable scenario leading up to the arcing is that the missing nuts on the
4 V-brace attached to the upper cross arm on the subject power pole allowed the wind to
5 move the upper cross arm for an unknown duration of time sufficient to cause a failure of
6 the system used to secure the center conductor to its insulator. The failure allowed the
7 conductor to sway laterally in the strong wind to the point it made contact with the
8 adjacent conductor on the same cross arm. This contact resulted in the electrical arc
9 allowing an undiscovered piece of hot material to ignite the vegetation.
10

11
12 ***Case Disposition***

13 The case remains open and additional information and material items will be
14 requested from Southern California Edison. Physical evidence in their possession and any
15 additional physical evidence collected will be examined by technical experts for opinions
16 and conclusions.
17

18
19
20
21 
22

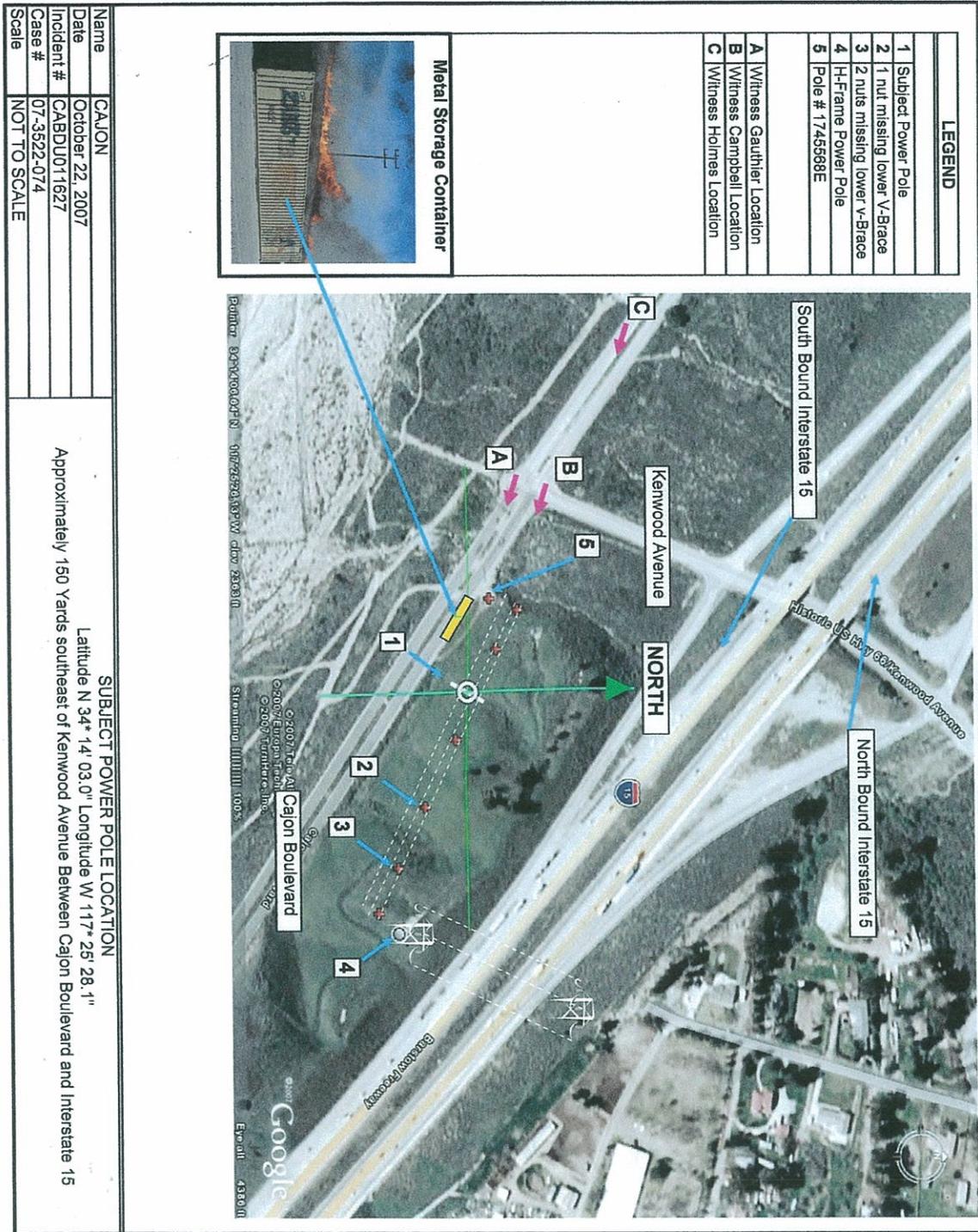
23 RODNEY J DELGADO ID # 1159
24 Fire Investigator / Sworn Peace Officer
25

December 11, 2007

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10- ATTACHMENT: Aerial View Diagram



10- ATTACHMENT: Photographs

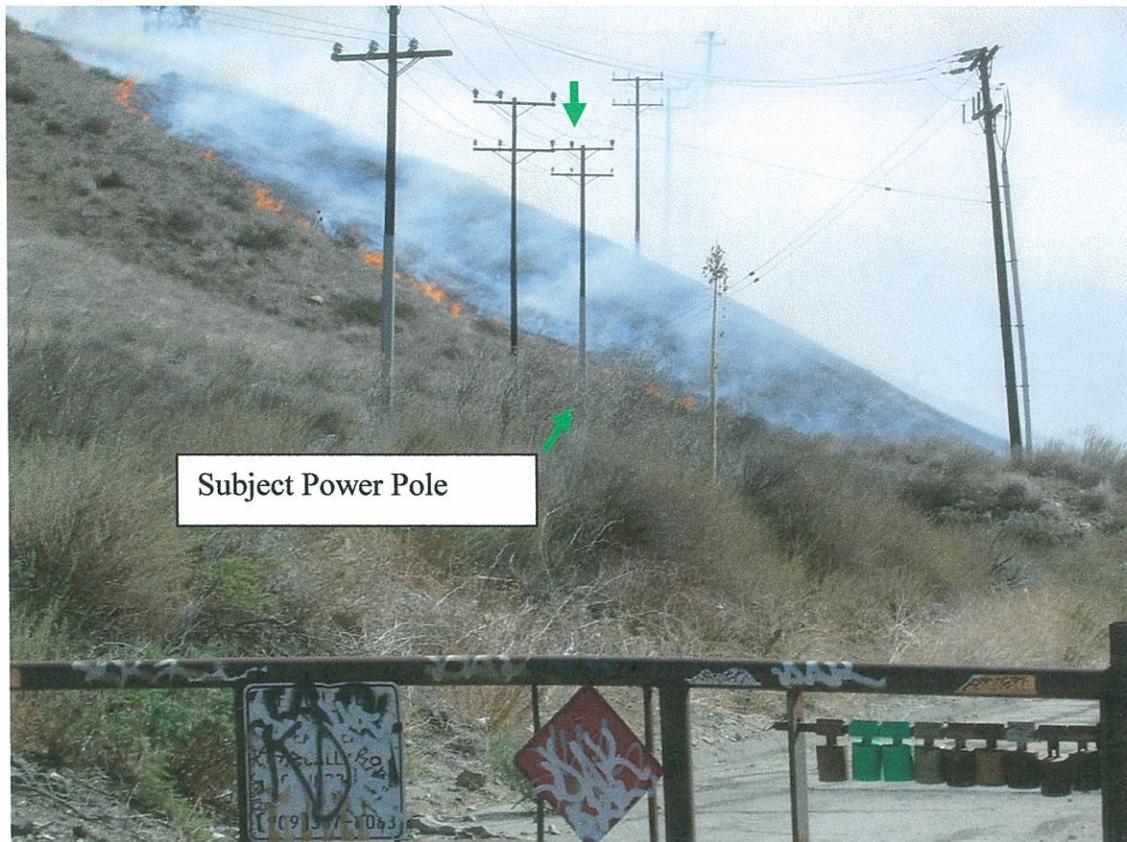
Picture # 1

On October 22 2007, W-1 Julie Gauthier witnessed a “blue ball of light” emitting from the top of a power pole located near the intersection. She estimated the light traveled five feet away from the top of the pole. She described the blue ball of light as an “arc”. Seconds after she witnessed the arc, a fire started on the ground near the base of the power pole. W-2 Melissa GAUTHIER called 9-1-1 and reported the arc and fire (Photo by W-12 FRICK 10-23-07)



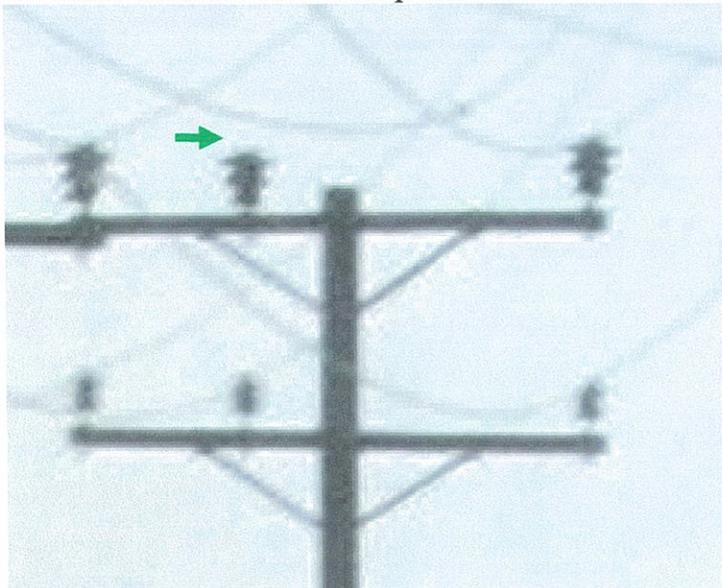
Picture # 2

Photograph taken by W-8 CAMPBELL several minutes after the fire started. He was facing the northeast while located at the intersection of Cajon Boulevard and Kenwood Avenue. The fire was burning near the base of the subject pole on the northeast/east/southeast side of it. (Photo I.D DSCN3053, Evidence Log I.D. # 1E)



Picture # 3

An enlargement of the subject identified in the preceding photograph shows the conductor located above the top cross arm's center insulator is detached.



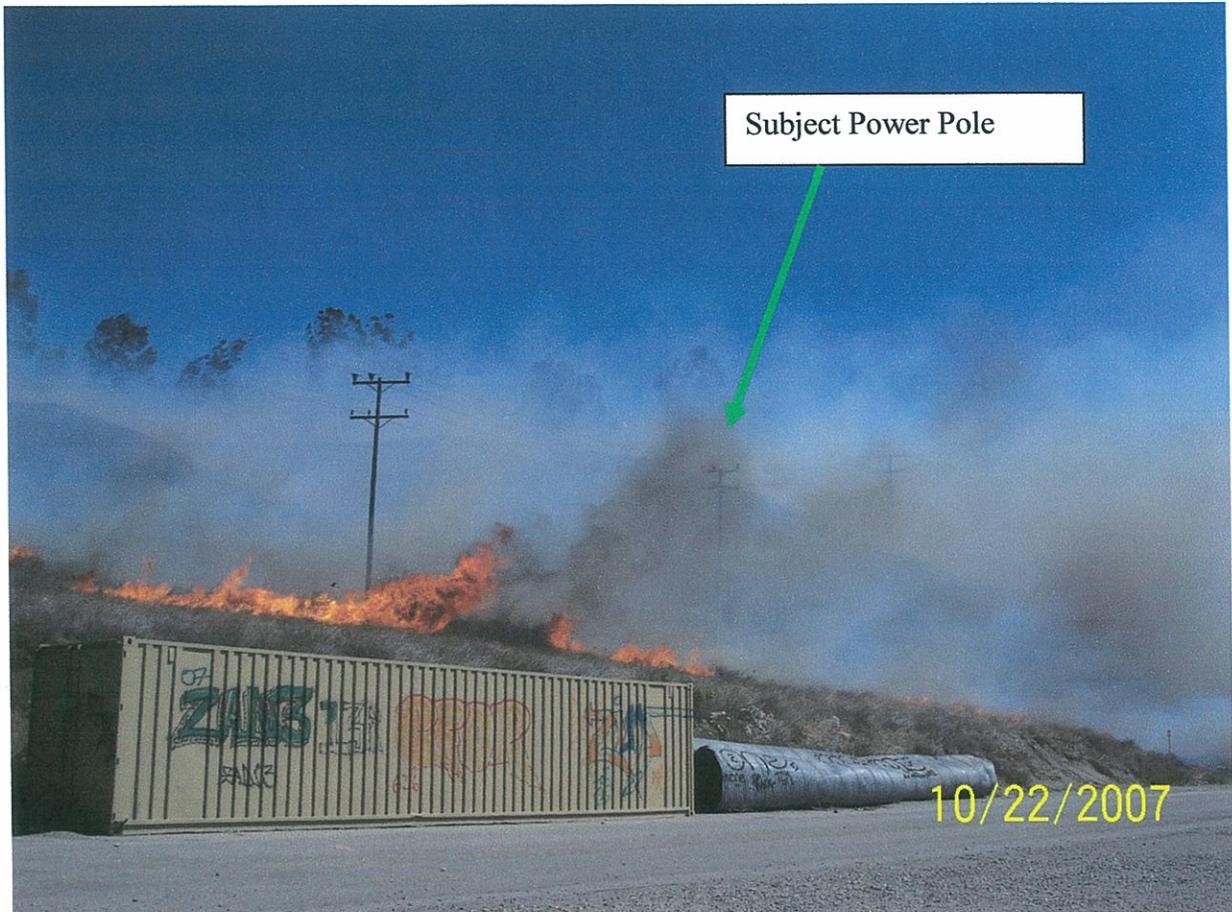
Picture # 4

The fire had back-burned against the wind towards the Kenwood Avenue onramp to southbound Interstate 15. The vehicle traffic can be seen stopped on southbound Interstate 15 above the onramp hidden by the height of the vegetation (Photo I.D. # 1-10. 12:00 p.m.)



Picture # 5

W-5 HOLMES stated that when he saw the fire it was approximately 50 feet in diameter midway between Cajon Blvd and Interstate 15. Cajon Blvd is in the foreground with the metal storage container, and Interstate 15 is on the other side of the trees at the top left side of the photograph (Photo I.D. # 1-12 taken at 12:00 p.m.)



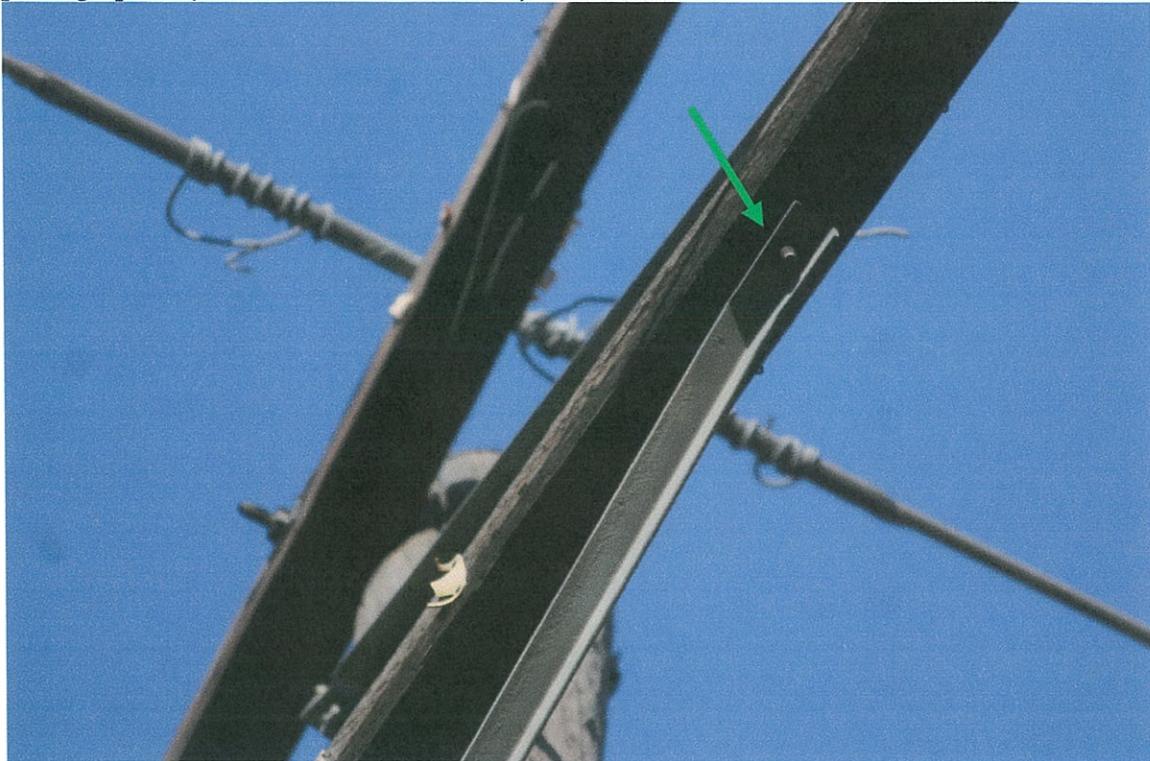
Picture # 6

Facing northeast: The upper cross arm V-brace on the subject power pole was not secure as evident by its rotation. (Photo I.D. # 2-5)

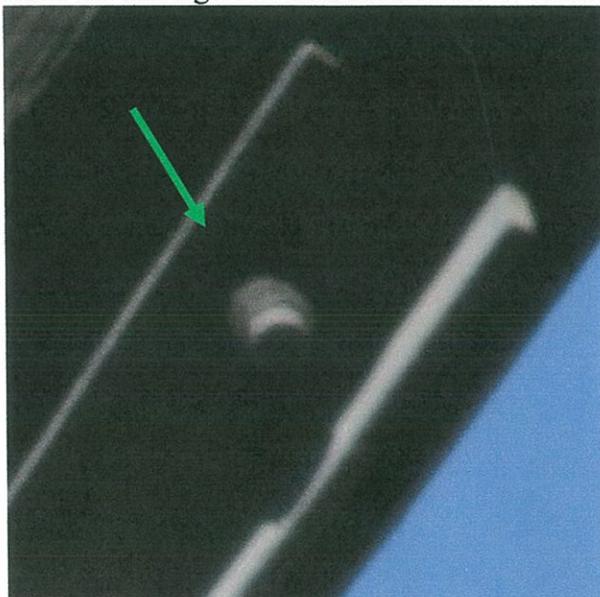


Picture # 7

The missing nuts securing the upper cross arm V-brace were not present resulting in its rotation. The nut missing from the lower cross arm on the southwest end was photographed (Photo I.D. 2-80 10-22-07).

**Picture # 7A**

Enlarged view of the image above showing the area on lower cross arm missing the nut from the carriage bolt that secures the V-brace to the cross arm.



Picture # 8

A nut similar to the size used to secure the carriage bolt extending through the lower cross arm's V-brace was located on the ground approximately six feet south of the base of the subject power pole. The location of the nut on the ground was marked with a yellow flag and photographed (Photo I.D. # 2-85)



Picture # 9

Close-up photo of the nut; the hook adjacent to the nut was placed on the ground as a size reference, and the hook opening is 4-1/2 inches (Photo I.D. # 2-83, pm)



Photo # 9A

Enlarged view of the nut in the above photograph.



Picture # 10

View of lower cross arm after repairs had been made. Note the nut in place securing the lower cross arm V-bracket is similar in shape and size to the nut seen in the image (Photo I.D. # 6-15 11-06-07)



Photo # 10A

Enlarged view of the nut in the image above;



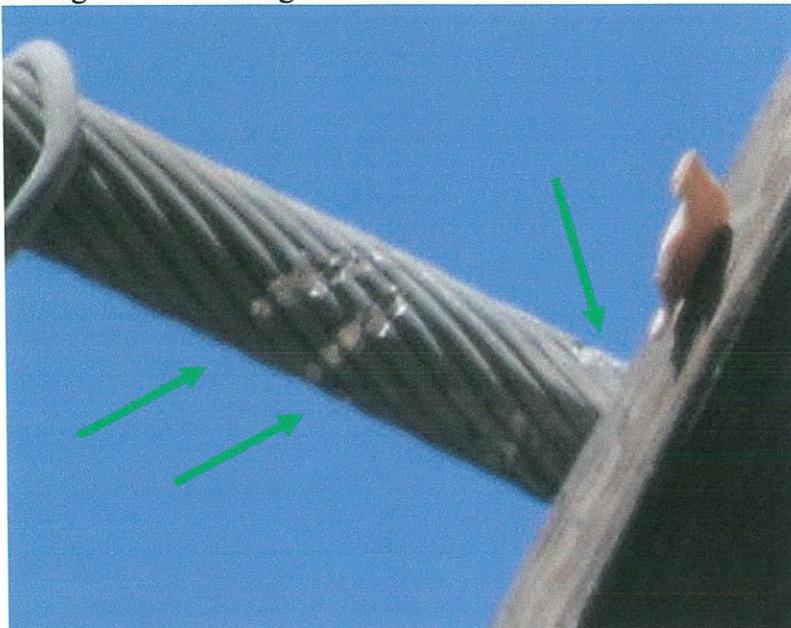
Picture # 11

Evidence of arcing against the center conductor that had detached from its insulator is visible in this image, which also shows the loose aluminum tie wires hanging free. The arcing was evident by the appearance of twin side-by-side grooves fused into the center conductor on both its underside and south-facing side. The aluminum tie wires are on each side of the twin grooves (Photo I.D. # 2-79 p.m.)



Picture # 11A

Enlarged view of image above.



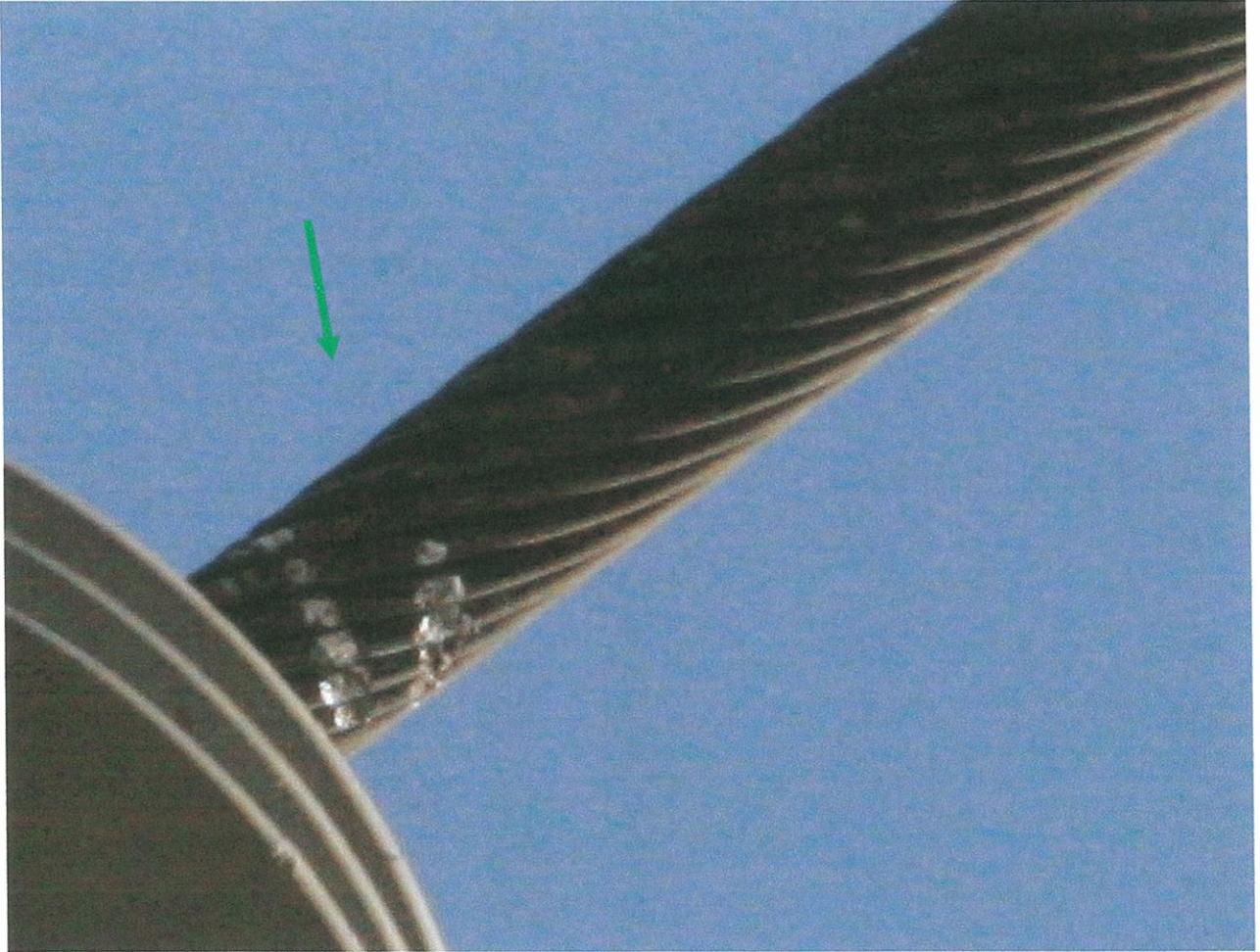
Picture # 13

On 10-23-07 at about 4:14 a.m. a new style insulator was installed in place of the insulator that originally secured the center conductor. The new insulator is shown in this image. Also shown from a different angle are the twin grooves photographed on 10-22-07. Note the aluminum tie wires are not present because the new insulator uses a clamping type system for holding the conductor in place. Also note there are no similar groove impression markings where the aluminum wire wrapping was located on 10-22-07; evidence the tie wires alone do not create grooves into the conductor (Photo I.D. # 6-3, 11-06-07)



Picture # 13A

Enlarged view of the image displayed on page 40.



Picture # 14

An aerial photograph shows the new insulator on the top cross arm, distinguished by its grey color compared to the larger dark brown porcelain insulators on each end of the cross arm. The conductor attached to the upper cross arm's grey insulator is the "Center" conductor with the twin grooves. The day of the fire, the center conductor was hitting against the top cross arm insulator on the southwest end identified as the insulator in the top right side of this image (Photo I.D. # 4-31)



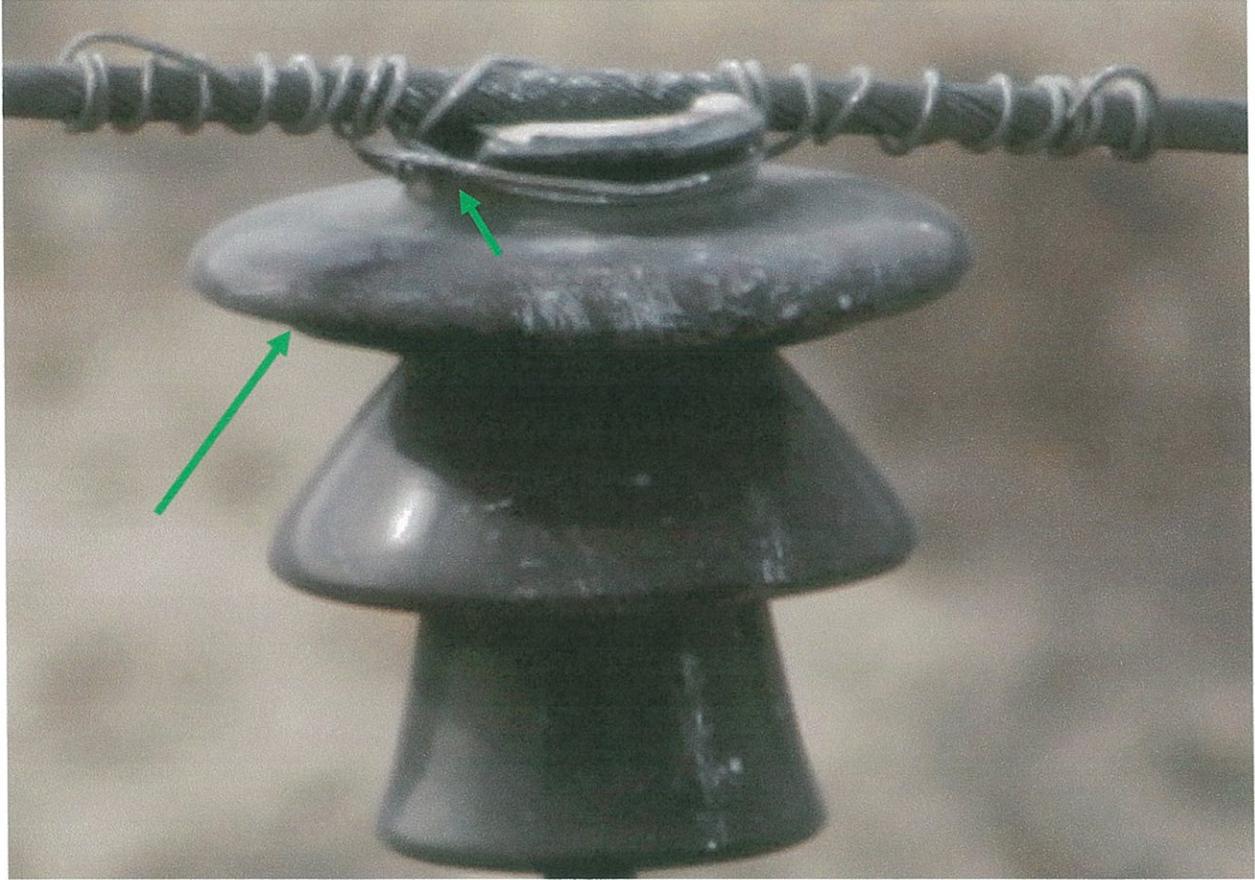
Picture # 15

The brown porcelain insulator shows evidence of scrapes against the side facing the center conductor. There is also evidence of contact on top of the conductor on the southwest end insulator, as well as the appearance of "flash burn" discoloration on the insulator and on the aluminum tie wire wrapped around the insulator's collar. This would indicate the contact area that resulted in the arcing (Photo I.D. # 5-20, 11-04-07).



Picture # 15A

Enlarged view of the photo subject area shown in the image on 43 showing contact marks and “flash burn” discoloration.



Picture # 15B

Enlarged view of the photo subject area shown in the image on 43 showing contact marks and "flash burn" discoloration.



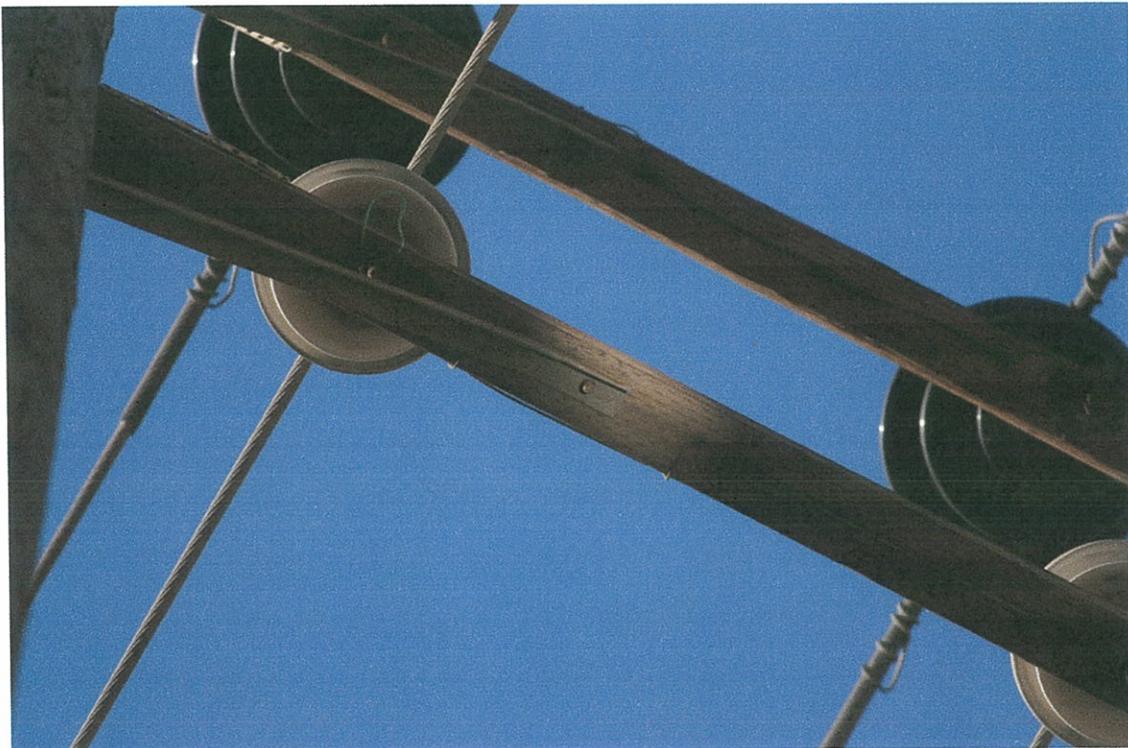
Picture # 16

Looking east at the power pole located two poles southeast of the subject power pole. The lower cross arm V-brace is missing one nut (Photo I.D. # 8-12).



Picture # 17

Looking west at the same power pole in the above image showing the missing nut on the lower cross arm (Photo I.D. # 8-4).



Picture # 18

Side view of same cross arm and insulators shown on page 46 indicate the tension of the conductor appears to pull on the tops of the insulators resulting in twisting of the upper cross arm (Photo I.D. # 5-32).



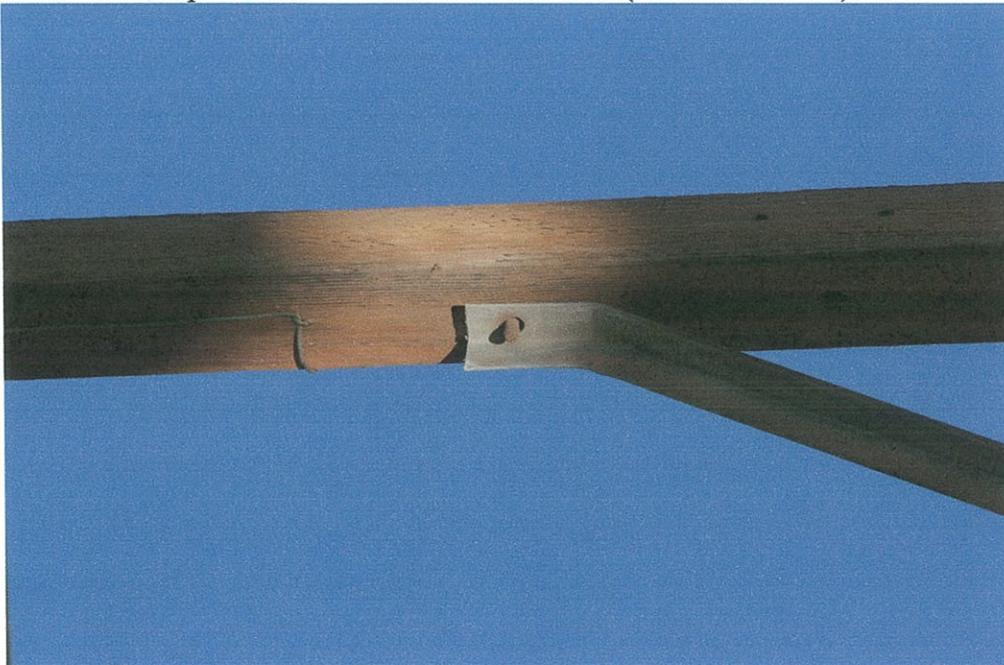
Picture # 19

Looking west at the power pole located three poles southeast of the subject pole. It is missing both nuts that secure the V-brace to the lower cross arm (Photo I.D. # 9-3)



Picture # 20

Showing the missing nut from the carriage bolt on the lower cross arm's southwest end; located on the pole shown above in Picture # 19 (Photo I.D. # 9-6)



Picture # 21

Showing the missing nut from the carriage bolt and it's location on the outside of the V-brace on the lower cross arm's northeast end; located on the pole shown above in Picture # 19 (Photo I.D. # 9-4)



10- ATTACHMENT: Photographic Log

PHOTOGRAPHIC LOG					
CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION					
Fire Prevention Bureau 3800 North Sierra Way, San Bernardino Ca 92405 (909) 881-6900					
Incident Name		CAJON	Incident #	CABDU011627	
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
1-1	10/22/07	11:39 AM	Delgado	W/B 40th E/ O Kendall Dr	Enroute to Fire
1-2	10/22/07	11:40 AM	"	W/B 40th E/ O Kendall Dr	Smoke from Cajon Fire
1-3	10/22/07	11:42 AM	"	Northwest bound Kendall Dr at University PKWY	Smoke Column seen from 7 miles southeast of fire.
1-4	10/22/07	11:44 AM	"	Northwest bound Kendall Dr at about Pine Ave	Smoke Column seen from about 5 miles southeast of fire.
1-5	10/22/07	11:45 AM	"	Approaching Palm Ave from Kendall Dr	Vehicle Traffic
1-6	10/22/07	11:46 AM	"	Northbound Interstate 15 onramp from Palm Ave	Heavy smoke with heavy winds blowing to the south / southeast
1-7	10/22/07	11:51 AM	"	N/B I-15 (facing west) just east of Kenwood	H- Frame seen on left side ridge; fire already burned along southbound I-15 shoulder & center div.
1-8	10/22/07	11:55 AM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Heel of fire back-burning against wind
1-9	10/22/07	11:55 AM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Heel of fire back-burning against wind
1-10	10/22/07	12:00 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Heel of fire back-burning against wind
1-11	10/22/07	12:00 PM	"	Cajon Blvd E/ O Kenwood, E/O metal gate, S/O I-15	Heel of fire back-burning around utility pole with metal storage container in foreground.
1-12	10/22/07	12:00 PM	"	Cajon Blvd SE/O Kenwood, SE/of metal gate, SW/of I-15	Heel of fire back-burning around utility pole with metal storage container in foreground.
1-13	10/22/07	12:00 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Looking southeast along Cajon Blvd. Fire had crossed to the south side.
1-14	10/22/07	2:15 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Picture taken of subject pole while waiting for scene examination conditions to improve.
1-15	10/22/07	2:15 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Picture taken of subject pole while waiting for scene examination conditions to improve.
2-1	10/22/07	12:26 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Power pole / one pole north of pole # 1745568E
2-2	10/22/07	12:26 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Power pole / one pole north of pole # 1745568E
2-3	10/22/07	12:26 PM	"	Cajon Blvd SE/ of Kenwood, SE/of metal gate, SW/of I-15	Power pole / one pole north of pole # 1745568E
2-4	10/22/07	1:35 PM	"	South of subject power pole on Cajon Blvd	W-4 GOLDSCHMIDT getting ready to assist with scene examination
2-5	10/22/07	1:38 PM	"	Below and southwest of subject power pole	View of west facing power pole cross arms.
2-6	10/22/07	1:38 PM	"	Below and southwest of subject power pole	View of west facing power pole cross arms.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
2-7	10/22/07	1:38 PM	Delgado	Below and southwest of subject power pole	View of west facing power pole cross arms.
2-8	10/22/07	1:42 PM	"	Below and northwest of power pole	View of west facing power pole cross arms.
2-9	10/22/07	1:42 PM	"	Below and northwest of power pole	Close-up view of the insulator minus the conductor.
2-10	10/22/07	1:42 PM	"	Below and northwest of power pole	View of swaying conductor with the smaller diameter wire, used for anchoring to insulator, is hanging free.
2-11	10/22/07	1:42 PM	"	Below and northwest of power pole	View of swaying conductor with the smaller diameter wire, used for anchoring to insulator, is hanging free.
2-12	10/22/07	1:42 PM	"	Below and northwest of power pole	View showing loose conductor hitting against adjacent conductor on the southwest end of cross arm.
2-13	10/22/07	1:42 PM	"	Below and northwest of power pole	View showing loose conductor swaying close to the southwest end of cross arm.
2-14	10/22/07	1:51 PM	"	Below and northwest of power pole	Facing southwest. Active fire is burning west of subject pole from the firing out operation.
2-15	10/22/07	2:51 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-16	10/22/07	2:51 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-17	10/22/07	2:51 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-18	10/22/07	2:51 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-19	10/22/07	3:07 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-20	10/22/07	3:07 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-21	10/22/07	3:07 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-22	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-23	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-24	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-25	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-26	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-27	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-28	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
2-29	10/22/07	3:08 PM	Delgado	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-30	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-31	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-32	10/22/07	3:08 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-33	10/22/07	3:09 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-34	10/22/07	3:09 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-35	10/22/07	3:09 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-36	10/22/07	3:12 PM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-37	10/22/07	3:15 AM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-38	10/22/07	3:15 AM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-39	10/22/07	3:15 AM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
2-40	10/22/07	3:15 AM	"	Cajon Blvd approx 160 feet south of pole.	Facing northeast/ view of subject pole documenting conductor swaying.
100-5973.MOV	10/22/07	3:25 P.M.-3:28 P.M.	"	Cajon Blvd approx 160 feet south of pole.	Video recording of subject power pole and conductor swaying in the wind, and cross arm rocking.
2-41	10/22/07	4:33 PM	"	Standing on west side of power pole looking up.	Facing northeast/ view of subject pole documenting conductor swaying.
2-42	10/22/07	4:33 PM	"	Standing on west side of power pole looking up.	Center conductor hitting up against underside of insulator's top convolution.
2-43	10/22/07	4:33 PM	"	Standing on west side of power pole looking up.	Center conductor butting against southwest insulator & end of cross arm rocking downward.
2-44	10/22/07	4:33 PM	"	Standing on west side of power pole looking up.	Center conductor adjacent to southwest insulator with aluminum wrapping wire crossing under southwest conductor.
2-45	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor adjacent to southwest insulator with aluminum wrapping wire crossing under southwest conductor.
2-46	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor positioned next to southwest insulator.
2-47	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting up against outside edge of insulator's top convolution.
2-48	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor adjacent to southwest insulator with aluminum wrapping wire crossing under southwest conductor.
2-49	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting up against underside of southwest insulator's top convolution.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		Description
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	
2-50	10/22/07	4:34 PM	Delgado	Standing on west side of power pole looking up.	Center conductor hitting up against underside of southwest insulator's top convolution.
2-51	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting up against underside of southwest insulator's bottom convolution, arm rocking
2-52	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting up against underside of southwest insulator's bottom convolution.
2-53	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting southwest insulator top convolution as arm rocks downward.
2-54	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting southwest and riding on top of insulator.
2-55	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor hitting up against outside edge of southwest insulator's top convolution.
2-56	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Center conductor positioned next to southwest insulator.
2-57	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-58	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-59	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-60	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-61	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-62	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-63	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-64	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to south conductor
2-65	10/22/07	4:34 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under south conductor.
2-66	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-67	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-68	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-69	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-70	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-71	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name		CAJON	Incident #	CABDU011627	
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
2-72	10/22/07	4:35 PM	Delgado	Standing on west side of power pole looking up.	Close-up of center conductor adjacent to southwest conductor
2-73	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-74	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-75	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-76	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Close-up of center conductor aluminum tie wire under southwest conductor.
2-77	10/22/07	4:35 PM	"	Standing on west side of power pole looking up.	Underside of center insulator, and V-brace positioned behind top cross arm.
2-78	10/22/07	4:39 PM	"	Standing under southwest side of cross arm looking up.	Center conductor close-up showing tie wire impressions into conductor& lower cross arm v-brace nut missing.
2-79	10/22/07	4:39 PM	"	Standing under southwest side of cross arm looking up.	Center conductor close-up showing tie wire impressions into conductor& lower cross arm v-brace nut missing.
2-80	10/22/07	4:39 PM	"	Standing under southwest side of cross arm looking up.	Center conductor close-up showing tie wire impressions into conductor& lower cross arm v-brace nut missing.
2-81	10/22/07	4:39 PM	"	Standing under southwest side of cross arm looking up.	Lower cross arm's southwest side, nut missing.
2-82	10/22/07	4:40 PM	"	Standing under southwest end of cross arms.	Single metal square nut found burned lying on top of ground. Metal hook used as reference for size.
2-83	10/22/07	4:40 PM	"	Standing under southwest end of cross arms.	Single metal square nut found burned lying on top of ground. Metal hook used as reference for size.
2-84	10/22/07	4:41 PM	"	Standing south of subject power pole base.	Yellow flag marks position square nut was found on the ground under the southwest half of cross arm.
2-85	10/22/07	4:41 PM	"	Standing south of subject power pole base.	Yellow flag marks position square nut was found on the ground under the southwest half of cross arm.
2-86	10/22/07	4:41 PM	"	Standing south of subject power pole base.	Yellow flag marks position square nut was found on the ground under the southwest half of cross arm.
2-87	10/22/07	4:51 PM	"	Under southwest half of cross arm on east side of pole.	Viewing center conductor butting against the southwest insulator.
2-88	10/22/07	4:51 PM	"	Under south half of cross arm on east side of pole.	Viewing center conductor adjacent to southwest conductor.
2-89	10/22/07	4:51 PM	"	Under south half of cross arm on east side of pole.	Viewing center conductor adjacent to southwest conductor.
2-90	10/22/07	5:13 PM	"	Cajon Blvd facing northeast	Subject power pole in background, W-10 COKER and W-11 PIMENTEL in foreground.
2-91	10/22/07	5:14 PM	"	Cajon Blvd facing northwest	View of south and east side of power pole.
2-92	10/22/07	5:14 PM	"	Cajon Blvd facing northwest	View of south and east side of power pole.
2-93	10/22/07	5:15 PM	"	Cajon Blvd facing north.	W-6 GOLDSCHMIDT examining piece of metal below pole located one east of subject pole.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
2-94	10/22/07	5:15 PM	Delgado	Cajon Blvd facing north.	W-6 GOLDSCHMIDT examining piece of metal below pole one east of subject pole.
2-95	10/22/07	5:16 PM	"	Below pole located one pole east of subject pole.	W-6 GOLDSCHMIDT examining area with subject pole in background.
2-96	10/22/07	5:16 PM	"	Below pole located one pole east of subject pole.	Yellow flagging next to approx 16" piece of flat metal lying in burn area.
2-97	10/22/07	5:20 PM	"	Standing next to south side of subject power pole base.	Recorded Lat 34°14' 03.0" N, Long 117° 25' 28.1" W
2-98	10/23/07	4:04 AM	"	Standing next to PAR CO utility vehicle at subject pole	Under-exposed photograph
2-99	10/23/07	4:23 AM	"	Standing next to PAR CO utility vehicle at subject pole	PAR Company employees elevating to subject cross arm via utility personnel lift bucket.
2-100	10/23/07	4:40 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing 2 of 3 aluminum wrap wires brought down off of center conductor. Center insulator sitting adjacent to wire.
2-101	10/23/07	4:40 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing 2 of 3 aluminum wrap wires brought down off of center conductor.
2-102	10/23/07	4:40 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing 2 of 3 aluminum wrap wire ends brought down off of center conductor.
2-103	10/23/07	4:40 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing 2 of 3 aluminum wrap wire ends brought down off of center conductor.
2-104	10/23/07	4:40 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing 2 of 3 aluminum wrap wire ends brought down off of center conductor.
2-105	10/23/07	4:41 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing insulator removed from center position of top cross arm of subject power pole.
2-106	10/23/07	4:41 AM	"	Standing next to PAR CO utility vehicle at subject pole	Viewing insulator removed from center position of top cross arm of subject power pole.
2-107	10/23/07	4:41 AM	"	Standing next to PAR CO utility vehicle at subject pole	Insulator removed from center position of top cross arm of subject power pole. W-11 PIMENTEL and PAR Employee in view.
2-108	10/23/07	4:41 AM	"	Standing next to PAR CO utility vehicle at subject pole	Underside view of center position insulator.
2-109	10/23/07	4:43 AM	"	Standing next to PAR CO utility vehicle at subject pole	View of aluminum tie wire 3 of 3.
2-110	10/23/07	4:43 AM	"	Standing next to PAR CO utility vehicle at subject pole	View of aluminum tie wire 3 of 3.
2-111	10/23/07	4:43 AM	"	Standing next to PAR CO utility vehicle at subject pole	View of aluminum tie wire 3 of 3.
2-112	10/23/07	4:43 AM	"	Standing next to PAR CO utility vehicle at subject pole	View of aluminum tie wire 3 of 3.
3-1	10/24/07	10:22 AM	"	southwest side of subject power pole	Orienting GPS to north for notes.
3-2	10/24/07	10:23 AM	"	southwest side of subject power pole	Orienting GPS to north for notes.
3-3	10/24/07	10:24 AM	"	southwest side of subject power pole	Orienting GPS to north for notes.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name		CAJON	Incident #	CABDU011627	
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
3-4	10/24/07	10:35 AM	Delgado	Facing NW towards subject power pole	Advancing fire marked with red flag, and orange tape measure on ground: 50 feet from pole.
3-5	10/24/07	10:36 AM	"	Facing NW towards subject power pole	Blue flag (backing fire) at base of subject power pole.
3-6	10/24/07	10:37 AM	"	50' SE of subject power pole.	Fire running up hill.
3-7	10/24/07	10:37 AM	"	50' SE of subject power pole.	Fire running up hill.
3-8	10/24/07	10:37 AM	"	50' SE of subject power pole.	Fire running up hill.
3-9	10/24/07	10:40 AM	"	Subject pole facing southeast.	Fire backed to subject pole from southeast. No fire from northwest
3-10	10/24/07	10:56 AM	"	From Cajon Blvd facing northeast.	Backing fire blue flag in foreground. Subject pole in background.
3-11	10/24/07	10:57 AM	"	From Cajon Blvd facing northeast.	Backing fire blue flag in foreground. Subject pole in background.
3-12	10/24/07	10:59 AM	"	Looking northeast from between Cajon Blvd and subject pole.	Blue flag, backing fire indicator.
3-13	10/24/07	10:59 AM	"	Same as 3-12	Wind was blowing from left to right. Fire was backing from right to left against wind.
3-14	10/24/07	10:59 AM	"	90° clockwise view from 3-13	Windward side unburned.
3-15	10/24/07	11:00 AM	"	180° clockwise view from 3-13	Top of indicator point downwind and bend towards heat.
3-16	10/24/07	11:00 AM	"	270° clockwise view from 3-13	Backing against wind, and backing from subject pole.
3-17	10/24/07	11:02 AM	"	Looking southeast from 3-13	3 additional backing indicators referenced (blue flag) in background
3-18	10/24/07	11:02 AM	"	Looking northeast from indicator between Cajon Blvd and subject pole.	Leeward side of stub burned.
3-19	10/24/07	11:04 AM	"	90° clockwise view from 3-18	Unburned on windward side. Backing against wind.
3-20	10/24/07	11:05 AM	"	180° clockwise view from 3-18	Unburned on windward side. Backing against wind.
3-21	10/24/07	11:06 AM	"	270° clockwise view from 3-18	Looking NW, indicator burned on leeward side. Pole in background is 1-west of subject pole.
3-22	10/24/07	11:08 AM	"	Standing southeast of subject power pole	Red flag, advancing fire in right side photo / northeast and uphill from subject power pole.
3-23	10/24/07	11:09 AM	"	Standing southeast of subject power pole	Burned fuel tank/ red flag, advancing fire.
3-24	10/24/07	11:12 AM	"	Standing southeast of subject power pole	Approx 320 feet southeast of Subject pole. Smoke stain rocks (red flag x 2) indicating advancing fire.
3-25	10/24/07	11:15 AM	"	Same as 3-24	Red flag between subject pole and rock. Smoke stain towards pole. Rocks sheltered grass on leeward side.

PHOTOGRAPHIC LOG CONTINUATION

Incident Name		CAJON	Incident #	CABDU011627	
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
3-26	10/24/07	11:15 AM	Delgado	Same as 3-24	Foreground red flag is downhill. Looking east to 2nd red flag uphill. # 2 rock stains indicate advancing fire.
3-27	10/24/07	11:15 AM	"	Same as 3-24	Close-up of rock # 2 from 3-26. Smoke stain towards pole. Rocks sheltered grass on leeward side.
3-28	10/24/07	11:15 AM	"	Standing at red flag identified as 3-28	Looking over top of indicator show in 3-27 with 3-2 in background. Looking southwest with Cajon Blvd in background..
3-29	10/24/07	11:16 AM	"	Approximately 350 to 370 feet southeast of subject pole.	Two red flags parallel to road indicate leaf freeze showing advancing fire.
3-30	10/24/07	11:17 AM	"	Approximately 350 to 370 feet southeast of subject pole.	Same as 3-29
3-31	10/24/07	11:17 AM	"	Approximately 350 to 370 feet southeast of subject pole.	Leaf Freeze pointing away from wind. Stain on rock facing wind. Red Flag advancing fire.
3-32	10/24/07	11:17 AM	"	Approximately 350 to 370 feet southeast of subject pole.	Close-up leaf Freeze pointing away from wind. Stain on rock facing wind. Red Flag advancing fire.
3-33	10/24/07	11:18 AM	"	Approximately 280 feet south east of subject power pole.	Advancing fire indicator. Road Marker/ Red Flag. Subject power pole in background directly above road marker.
3-34	10/24/07	11:19 AM	"	Approximately 280 feet south east of subject power pole.	Advancing fire indicator. Road Marker/ Red Flag Less burn and soot on front of marker compared to back of marker.
3-35	10/24/07	11:19 AM	"	Approximately 280 feet south east of subject power pole.	Side view road maker showing complete burn and soot on back side. Back side faces subject power pole.
3-36	10/24/07	11:20 AM	"	Approximately 160 feet south east of subject power pole	Two white flags in for ground indicate items of interest. Power pole debris.
3-37	10/24/07	11:20 AM	"	Approximately 150 feet south east of subject power pole	Lag bolt with nut attached similar to type of nut found below subject power pole.
3-38	10/24/07	11:20 AM	"	Approximately 160 feet south east of subject power pole	Burned piece of power pole section with hardware protruding through it.
3-39	10/24/07	11:24 AM	"	Standing at power pole east / southeast of subject pole.	131 feet between poles. Photo shows angle of topographical incline. Cajon Blvd out of view on left side.
3-40	10/24/07	11:24 AM	"	Standing at power pole east / southeast of subject pole.	Vegetation leaf freeze adjacent to pole shows leaf freeze pointing away from wind.
3-41	10/24/07	11:25 AM	"	Standing at power pole located E/SE of subject pole.	Height of burn on this pole at about 10 to 15 feet showing established fire with longer flame length at this point.
3-42	10/24/07	11:27 AM	"	Approximately 180 feet northeast of subject pole in center of picture	Looking southwest at overview of area surrounding subject power pole. Road was pushed to subject pole after fire.
3-43	10/24/07	11:28 AM	"	Approximately 180 feet northeast of subject pole.	Looking southwest. Red flag indicate advancing fire laterally along slope, and blue flag backing uphill.
3-44	10/24/07	11:28 AM	"	Approximately 180 feet northeast of subject pole.	View of Cajon Blvd, Metal Storage Container, and intersection of Kenwood Ave and Cajon at top right of photo.
3-45	10/24/07	11:28 AM	"	Approximately 180 feet northeast of subject pole.	Looking towards the west along Cajon Blvd.
3-46	10/24/07	11:28 AM	"	Approximately 300 feet N/E from Cajon Blvd.	Red flag indicate advancing fire laterally along slope, and blue flag backing uphill.
3-47	10/24/07	11:29 AM	"	Approx 100 feet N/W of subject pole.	Blue flag indicate backing fire. Fire backing uphill.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
3-48	10/24/07	11:30 AM	Delgado	Approx 100 feet N/W of subject pole.	Blue flag indicate backing fire uphill, and red is advancing laterally across slope.
3-49	10/24/07	11:30 AM	"	Approx 100 feet N/W of subject pole.	Red flag indicate fire advancing laterally along slope, and blue backing uphill against wind.
3-50	10/24/07	11:30 AM	"	Approx 100 feet N/W of subject pole.	Close-up of 3-48
3-51	10/24/07	11:33 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Pole indicates fire backed to this point . Very little soot or burn at base.
3-52	10/24/07	11:34 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Pole indicates fire backed to this point . Very little soot or burn at base.
3-53	10/24/07	11:34 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Stain and soot on southeast side of pole indicate fire backed to it from area of subject pole.
3-54	10/24/07	11:34 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Stain and soot on southeast side of pole indicate fire backed to it from area of subject pole.
3-55	10/24/07	11:35 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Facing S/SE: pole indicates fire backed to this point. Very little soot or burn at base.
3-56	10/24/07	11:35 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Looking southwest at railroad track. It is approximately 2300 feet away from this point.
3-57	10/24/07	11:35 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Looking at non-exempt pole # 1745568E next to Cajon Blvd. This was closest pole with numbers.
3-58	10/24/07	11:35 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Looking northwest towards heel of burn perimeter that was fired out from Kenwood Ave and I-15.
3-59	10/24/07	11:35 AM	"	Standing at power pole located approx 132' W/NW of subject pole.	Looking north towards I-15 approximately 475 feet away. Firing-out started from that area.
3-60	10/24/07	11:35 AM	"	Standing at power pole one northwest of subject pole	This area was back-burning at 11:55 a.m., on the day the fire started.
3-61	10/24/07	11:40 AM	"	Standing next to pole located approx 131' E/SE of subject pole.	Looking east at H- Frame structure with burned pole. Located 4 poles east, and one pole northeast of subject pole.
3-62	10/24/07	11:40 AM	"	Standing next to pole located approx 131' E/SE of subject pole.	Looking at H-Frame structure with burned support pole resulting in the Interstate 15 closure
3-63	10/24/07	11:40 AM	"	Standing next to pole located approx 131' E/SE of subject pole.	View of road that was pushed in and improved from Cajon Blvd for access to H- Frame.
3-64	10/24/07	11:40 AM	"	Standing next to pole located approx 131' E/SE of subject pole.	View of road that was pushed in and improved from Cajon Blvd for access to H- Frame.
3-65	10/24/07	11:42 AM	"	Approximately 110 feet S/E of Subject pole	GPS 34° 14' 02.2"N , 117° 25'27.2"W/ found aluminum tie wire at this point approx 45 feet W/SW from pole S/E of subject pole.
3-66	10/24/07	11:42 AM	"	Approximately 110 feet S/E of Subject pole	1 of 2 aluminum tie wire found at this point approx 45 feet W/SW from pole S/E of subject pole.
3-67	10/24/07	11:42 AM	"	Approximately 110 feet S/E of Subject pole	Close-up view of aluminum tie wire shown in 3-65.
3-68	10/24/07	11:43 AM	"	Approximately 110 feet S/E of Subject pole	2nd of 2 aluminum tie wire found at this point approx 45 feet W/SW from pole S/E of subject pole as shown in 3-65.
3-69	10/24/07	11:43 AM	"	Approximately 110 feet S/E of Subject pole	2nd of 2 aluminum tie wire found at this point approx 45 feet W/SW from pole S/E of subject pole as shown in 3-65.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
3-70	10/24/07	11:43 AM	Delgado	Approximately 110 feet S/E of Subject pole	2nd of 2 aluminum tie wires found at this point approx 45 feet W S/W from pole S/E of subject pole as shown in 3-85.
3-71	10/24/07	11:44 AM	"	Approximately 110 feet S/E of Subject pole	View of top cross arms on power pole one S/E of subject pole.
3-72	10/24/07	11:44 AM	"	Approximately 110 feet S/E of Subject pole	View of top cross arms on power pole one S/E of subject pole.
4-1	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-2	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-3	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-4	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-5	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-6	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-7	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole.
4-8	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject pole at end of dirt road with one pole west northwest of subject pole at fork in "Y"
4-9	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole and one pole west northwest (bottom) and one pole east southeast (top)
4-10	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole and one pole west northwest (bottom) and one pole east southeast (top)
4-11	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole and one pole west northwest (bottom) and one pole east southeast (top)
4-12	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of subject power pole and one pole east southeast.
4-13	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of one pole west northwest of subject pole.
4-14	10/25/07	12:01 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view of one pole east southeast of subject power pole.
4-15	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at west-facing side of subject power pole
4-16	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at west-facing side of subject power pole
4-17	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at west-facing side of subject power pole
4-18	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at west-facing side of subject power pole
4-19	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at west-facing side of subject power pole

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
4-20	10/25/07	12:02 PM	Delgado	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at west-facing side of subject power pole
4-21	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at cross arms running north to south with closest end being south.
4-22	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at cross arms running north to south with closest end being south.
4-23	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view subject pole top cross arm, grey insulator is new insulator from repairs.
4-24	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view subject pole top cross arm, grey insulator is new insulator from repairs.
4-25	10/25/07	12:02 PM	"	Aerial counter clockwise orbit/subject power pole, 55 mm lens	Aerial view looking at east-facing side of subject power pole
4-26	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Viewing subject pole top cross arm. Grey insulator is north of center pole and replaced insulator with detached conductor.
4-27	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Viewing subject pole top cross arm. Grey insulator is north of center pole and replaced insulator with detached conductor.
4-28	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at east face of subject power pole. Loose conductor had been striking conductor on south end (left).
4-29	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at east face of subject power pole. Loose conductor had been striking conductor on south end (left).
4-30	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at subject pole top cross arm running north to south. Closest end in photo is north end.
4-31	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-32	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-33	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-34	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-35	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-36	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-37	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-38	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator top left of center is on north side of center.
4-39	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at west-facing side of subject power pole. Grey insulator on top left of center is on north side of center.
4-40	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	View of subject pole top cross arm running north to south with closest insulator being the south end.
4-41	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	View of subject pole top cross arm running north to south with closest insulator being the south end.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
4-42	10/25/07	1:00 PM	Delgado	Aerial counter clockwise orbit/subject pole. 300 mm lens	View of subject pole top cross arm running north to south with closest insulator being the south end.
4-43	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	View of subject pole top cross arm running north to south with closest insulator being the south end.
4-44	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at east face of subject power pole. Loose conductor had been striking conductor on south end (left).
4-45	10/25/07	1:00 PM	"	Aerial counter clockwise orbit/subject pole. 300 mm lens	Looking at top of subject power pole. Loose conductor had been striking conductor on south end (left).
5-1	11/04/07	9:57 AM	"	Approx 215' northwest of subject power pole- eye level	Viewing top and bottom cross arm on subject pole. Southwest end of top cross arm is on right side of picture.
5-2	11/04/07	9:57 AM	"	Same as 5-1	New High Voltage yellow markers were placed on the cross arms at the time of the center insulator
5-3	11/04/07	9:57 AM	"	Same as 5-1	Close-up view of southwest insulator which was being hit by center conductor during high winds.
5-4	11/04/07	9:58 AM	"	Same as 5-1	Southwest insulator on upper cross arm of subject pole.
5-5	11/04/07	10:00 AM	"	Approximately 200' north northwest of subject pole.	Viewing top and bottom cross arm on subject pole. Southwest end of top cross arm is on right side of picture.
5-6	11/04/07	10:00 AM	"	Same as 5-5	Close-up view on insulator of southwest end.
5-7	11/04/07	10:02 AM	"	Approx. 170' north of subject pole.	View of upper cross arm and southwest conductor with aluminum tie wire wrapping (right side)
5-8	11/04/07	10:02 AM	"	Same as 5-8	View of upper cross arm and southwest conductor with aluminum tie wire wrapping (right side)
5-9	11/04/07	10:03 AM	"	Approx 185' north/northeast of subject	View of upper and lower cross arm Northeast end of cross arm is in foreground
5-10	11/04/07	10:04 AM	"	Same as 5-9	View of upper and lower cross arm and top edge of upper cross arm at southwest conductor.
5-11	11/04/07	10:05 AM	"	Approx 210' northeast of subject power pole above eye level	Looking towards southwest along top cross arm. Marks in aluminum wire, and scratches on southwest conductor indicate contact with center conductor
5-12	11/04/07	10:05 AM	"	Same as 5-11	Flask mark evident on top convolution/ east side top and edge. Strike marks on aluminum wire wrap surrounding collar on same side.
5-13	11/04/07	10:06 AM	"	Approx 215' north northeast of subject pole.	View of upper cross arm. Insulator at southwest end shows evidence of what appears to be flash burn, and wire scrape on east side of top convolution
5-14	11/04/07	10:06 AM	"	Same as 5-13	Same as 5-13
5-15	11/04/07	10:06 AM	"	Same as 5-13	Same as 5-13
5-16	11/04/07	10:07 AM	"	Approx 175 feet northeast of subject pole	View of upper cross arm. Insulator at southwest end shows evidence of what appears to be flash burn, and wire scrape on east side of top convolution
5-17	11/04/07	10:07 AM	"	Same as 5-16	View of upper cross arm. Insulator at southwest end shows evidence of what appears to be flash burn, and wire scrape on east side of top convolution
5-18	11/04/07	10:07 AM	"	Same as 5-16	View of upper cross arm. Insulator at southwest end shows evidence of what appears to be flash burn, and wire scrape on east side of top convolution

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
5-19	11/04/07	10:08 AM	Delgado	Approx 170 feet southeast of subject pole	Flask mark evident on top convolution/ east side top and edge. Strike marks on aluminum wire wrap surrounding collar on same side. Wire scrape on conductor above insulator
5-20	11/04/07	10:08 AM	"	Same as 5-19	Same as 5-19
5-21	11/04/07	10:09 AM	"	Same as 5-19	View of upper and lower cross arm.
5-22	11/04/07	10:10 AM	"	Same as 5-19	Same as 5-19
5-23	11/04/07	10:10 AM	"	Same as 5-19	Same as 5-19
5-24	11/04/07	10:11 AM	"	Approx 170' east of subject pole	View of east face of upper and lower cross arm.
5-25	11/04/07	10:11 AM	"	Same as 5-24	View of upper insulator on southeast end of cross arm
5-26	11/04/07	10:13 AM	"	Same as 5-24	Full view of subject power pole.
5-27	11/04/07	10:14 AM	"	Approx 80' northwest of the 2nd pole S/SE of subject pole	Looking at the west face and top cross arm tilting of the upper cross arm and insulators.
5-28	11/04/07	10:15 AM	"	Same as 5-27	Close up of 5-27
5-29	11/04/07	10:15 AM	"	Approx 80' northeast of the 1st pole S/SE of subject pole	View of cross arms of power pole adjacent to the south southeast of the subject pole.
5-30	11/04/07	10:17 AM	"	Approx 65' north of 2nd pole S/SE of subject pole.	Looking at the west face and top cross arm tilting of the upper cross arm and insulators.
5-31	11/04/07	10:17 AM	"	Same as 5-30	Close up of upper cross arm and tilt towards subject pole.
5-32	11/04/07	10:17 AM	"	Same as 5-30	Close up of upper cross arm and tilt towards subject pole.
5-33	11/04/07	10:23 AM	"	Standing approx 80' east of power pole with tilting insulators	Looking southwest along line of power poles. Metal gate in view at center of picture by white vehicle.
5-34	11/04/07	10:25 AM	"	Standing at power pole south of H-Frame facing	View of burned power pole and downed gye wire support running to the southeast of pole south of H-Frame pole.
5-35	11/04/07	10:26 AM	"	Standing approx 80' east of power pole with tilting insulators	Looking southwest along line of power poles. Metal gate in view at center of picture by white vehicle.
5-36	11/04/07	10:28 AM	"	Standing at the base of pole with tilting insulators.	View of upper and lower cross arms
5-37	11/04/07	10:29 AM	"	Standing at the base of pole with tilting insulators.	Looking at underside of lower cross arm.
5-38	11/04/07	10:33 AM	"	Standing approx 80 feet west of pole with tilting insulators	Full view of power pole with tilting insulators
5-39	11/04/07	10:34 AM	"	Approx 170 south of subject pole.	View of subject pole and one pole northwest of subject pole
5-40	11/04/07	10:38 AM	"	Approx 70 south of subject pole.	View of east facing subject pole upper and lower cross arms

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name		CAJON	Incident #	CABDU011627	
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
5-41	11/04/07	10:40 AM	Delgado	Standing at the base of subject pole on southwest side.	View of upper and lower cross arm undersides.
5-42	11/04/07	10:40 AM	"	Standing at the base of subject pole on southwest side.	View of lower cross arm V-bracket support with new nut securing it to cross arm / southwest end.
5-43	11/04/07	10:40 AM	"	Standing at the base of subject pole on southwest side.	View of lower cross arm V-bracket support with new nut securing it to cross arm/ northeast end.
5-44	11/04/07	10:40 AM	"	Standing at the base of subject pole on southwest side.	View of upper cross arm V-bracket support with new nut securing it to cross arm / southwest end.
5-45	11/04/07	10:45 AM	"	Pole # 1745568E	View of closest pole with identifying number. Located 2 poles northwest, and one pole south of subject pole.
6-1	11/06/07	3:40 PM	"	Standing at base of subject pole on northwest side.	Underside of the center conductor and new shiny twin indentations notched into the conductor similar in shape and size to contact with aluminum wire on adjacent conductor.
6-2	11/06/07	3:40 PM	"	Same as 6-1	Same as 6-1
6-3	11/06/07	3:40 PM	"	Same as 6-1	Same as 6-1
6-4	11/06/07	3:40 PM	"	Same as 6-1	Same as 6-1
6-5	11/06/07	3:41 PM	"	Standing approx 10 S/W of Subject pole facing N/E	Measuring tape to metal pointer indicating distance to small piece of burned wood
6-6	11/06/07	3:42 PM	"	Approx 6' S/E of subject pole.	Metal pointer identifying location of small piece of burned wood.
6-7	11/06/07	3:42 PM	"	Approx 6' S/E of subject pole.	Metal pointer identifying location of small piece of burned wood.
6-8	11/06/07	3:42 PM	"	Approx 6' S/E of subject pole.	Close-up of burned piece of wood.
6-9	11/06/07	3:43 PM	"	Approx 6' S/E of subject pole.	Close-up of burned piece of wood.
6-10	11/06/07	3:43 PM	"	Approx 6' S/E of subject pole.	Close-up of burned piece of wood.
6-11	11/06/07	3:47 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of upper and lower cross arm.
6-12	11/06/07	3:47 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm N/E end showing ground wire attached to bolt holding the insulator in place.
6-13	11/06/07	3:47 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm N/W end showing ground wire attached to bolt holding the insulator in place.
6-14	11/06/07	3:47 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm center area showing ground wire attached to bolt holding the center insulator in place.
6-15	11/06/07	3:47 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm center area showing ground wire running along bottom of lower cross arm.
6-16	11/06/07	3:48 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm S/W end showing ground wire attached to bolt holding the insulator in place.
6-17	11/06/07	3:48 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm center area showing ground wire running along bottom of lower cross arm.

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
6-18	11/06/07	3:48 PM	Delgado	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm center area showing ground wire running along bottom of lower cross arm.
6-19	11/06/07	3:48 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm N/E area showing ground wire running along bottom of lower cross arm.
6-20	11/06/07	3:48 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of lower cross arm N/E area showing ground wire running along bottom of lower cross arm.
6-21	11/06/07	3:48 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of upper cross arm N/E end showing ground wire running along bottom edge of cross arm.
6-22	11/06/07	3:49 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of upper cross arm showing ground wire running along bottom edge of cross arm, and attached to bolt securing center insulator.
6-23	11/06/07	3:49 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of upper cross arm center area showing ground wire running along bottom edge of cross arm.
6-24	11/06/07	3:49 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of upper cross arm S/W end showing ground wire running along bottom edge of cross arm.
6-25	11/06/07	3:49 PM	"	Standing approx 10 S/W of Subject pole facing N/E	View of upper cross arm S/W end showing ground wire running along bottom edge of cross arm.
7-1	11/09/07	3:21 PM	"	Standing approx 80' S/E of subject power pole facing N/W.	White flag indicated aluminum tie wire found on ground approx 22 feet down slope of conductor, approx 70' S/E of subject pole.
7-2	11/09/07	3:21 PM	"	Standing approx 70' S/E of subject power pole	Close up view of aluminum tie wire found on ground.
7-3	11/09/07	3:21 PM	"	Standing approx 70' S/E of subject power pole	Close up view of aluminum tie wire found on ground.
7-4	11/09/07	3:21 PM	"	Standing approx 70' S/E of subject power pole	Close up view of aluminum tie wire found on ground.
7-5	11/09/07	3:22 PM	"	Standing approx 70' S/E of subject power pole	Close up view of aluminum tie wire found on ground.
7-6	11/09/07	3:46 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	White flag indicates aluminum tie wire laying on ground approx 150' away from closest conductor.
7-7	11/09/07	3:46 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	Close-up view of aluminum tie wire identified by white flag in 7-6.
7-8	11/09/07	3:47 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	Close-up view of aluminum tie wire identified by white flag in 7-6.
7-9	11/09/07	3:47 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	Close-up view of aluminum tie wire identified by white flag in 7-6.
7-10	11/09/07	3:47 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	Close-up view of aluminum tie wire identified by white flag in 7-6.
7-11	11/09/07	3:47 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	Close-up view of aluminum tie wire identified by white flag in 7-6.
7-12	11/09/07	3:47 PM	"	Standing on Cajon Blvd approx 250' S/E of subject power pole.	Close-up view of aluminum tie wire identified by white flag in 7-6.
7-13	11/09/07	3:17 PM	"	Cajon Blvd x Kenwood Ave facing east	Photograph replicating position and angle of Campbell photograph # DSCN305#
7-14	11/09/07	3:18 PM	"	Cajon Blvd x Kenwood Ave facing east	View of area that was on the windward side and upslope of the subject power pole. Fire back burned in this area

PHOTOGRAPHIC LOG CONTINUATION					
Incident Name CAJON			Incident # CABDU011627		
Photo Number	Date Taken	Time Taken	Photographer	Photographer Position	Description
7-15	11/09/07	3:18 PM	Delgado	Cajon Blvd x Kenwood Ave facing east	Photograph replicating position and angle of Campbell photograph # DSCN305#
7-16	11/09/07	3:18 PM	"	Cajon Blvd x Kenwood Ave facing southeast.	Looking southeast along Cajon Blvd / area is blocked off to thru traffic.
8-1	12/09/07	3:11 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of upper cross arm northeast end
8-2	12/09/07	3:11 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of upper cross arm northeast end
8-3	12/09/07	3:11 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of upper cross arm northeast end
8-4	12/09/07	3:11 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of lower cross arm northeast end
8-5	12/09/07	3:11 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of lower cross arm northeast end
8-6	12/09/07	3:12 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of upper cross arm southwest end
8-7	12/09/07	3:12 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of upper cross arm southwest end
8-8	12/09/07	3:12 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of lower cross arm southwest end
8-9	12/09/07	3:12 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of lower cross arm southwest end
8-10	12/09/07	3:12 PM	"	2 poles S/E of subject pole on east side of pole	Looking at underside of lower cross arm southwest end
8-11	12/09/07	3:14 PM	"	Standing on west side of 2nd pole S/E of subject pole.	View of upper and lower cross arms
8-12	12/09/07	3:14 PM	"	Standing on west side of 2nd pole S/E of subject pole.	View of upper and lower cross arms
8-13	12/09/07	3:16 PM	"	Standing on west side of 2nd pole S/E of subject pole.	View of 2nd, 3rd, 4th power pole S/E of subject power pole
8-14	12/09/07	3:16 PM	"	Standing on west side of 2nd pole S/E of subject pole.	View of 2nd, 3rd, 4th power pole S/E of subject power pole
8-15	12/09/07	3:18 PM	"	East side of Subject Power pole	View of upper and lower cross arm on subject power pole.
8-16	12/09/07	3:18 PM	"	East side of Subject Power pole	View of upper and lower cross arm on subject power pole.
8-17	12/09/07	3:18 PM	"	East side of Subject Power pole	View of upper and lower cross arm on subject power pole.
9-1	12/10/07	1:03 PM		East side of 3rd power pole S/E of subject pole	View of upper and lower cross arms on 3rd pole southeast of subject pole.
9-2	12/10/07	1:04 PM		East side of 3rd power pole S/E of subject pole	View of upper and lower cross arms on 3rd pole southeast of subject pole.
9-3	12/10/07	1:05 PM		East side of 3rd power pole S/E of subject pole	View of upper and lower cross arms on 3rd pole southeast of subject pole.

10- ATTACHMENT: Photographic Proof Sheets



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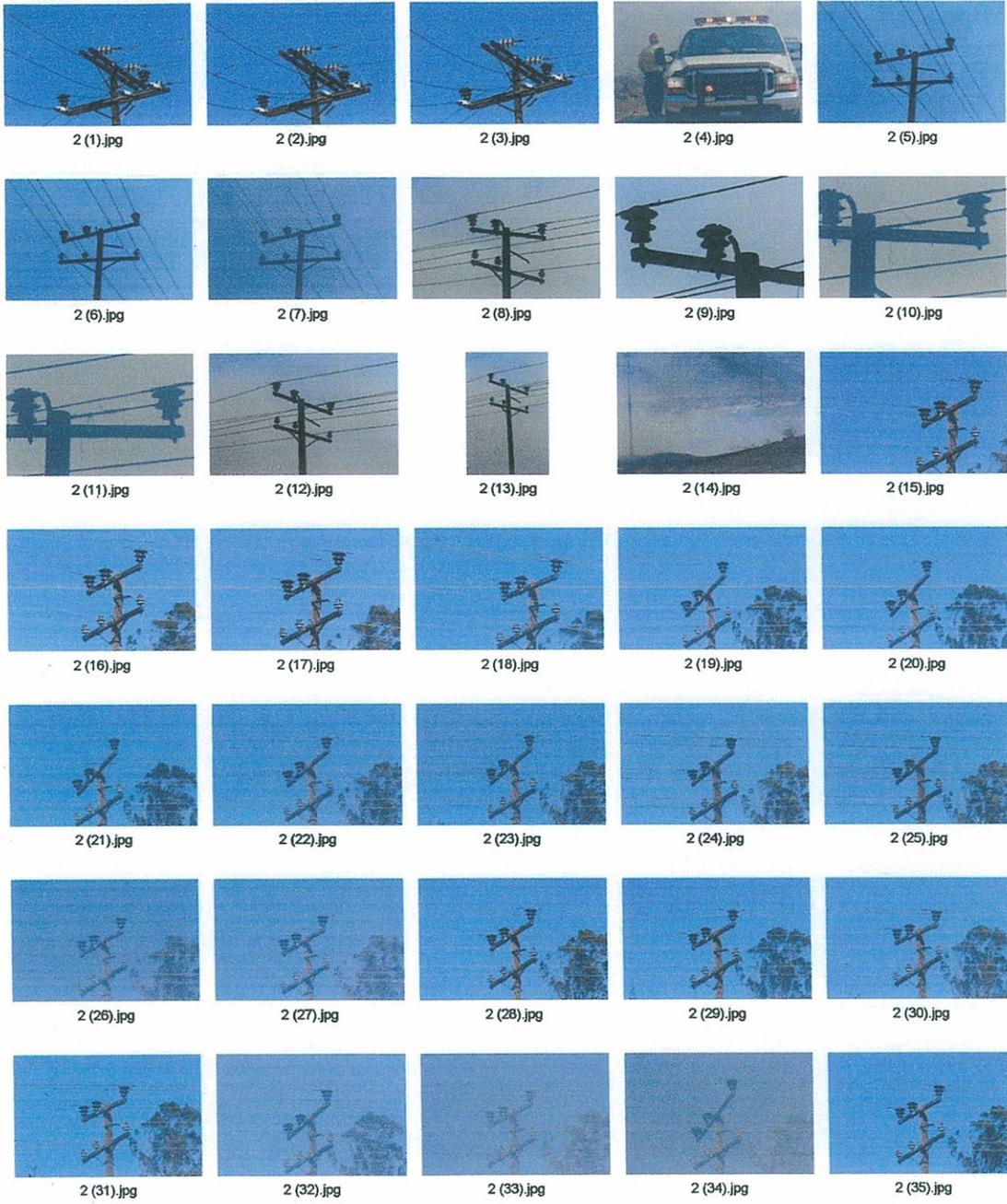
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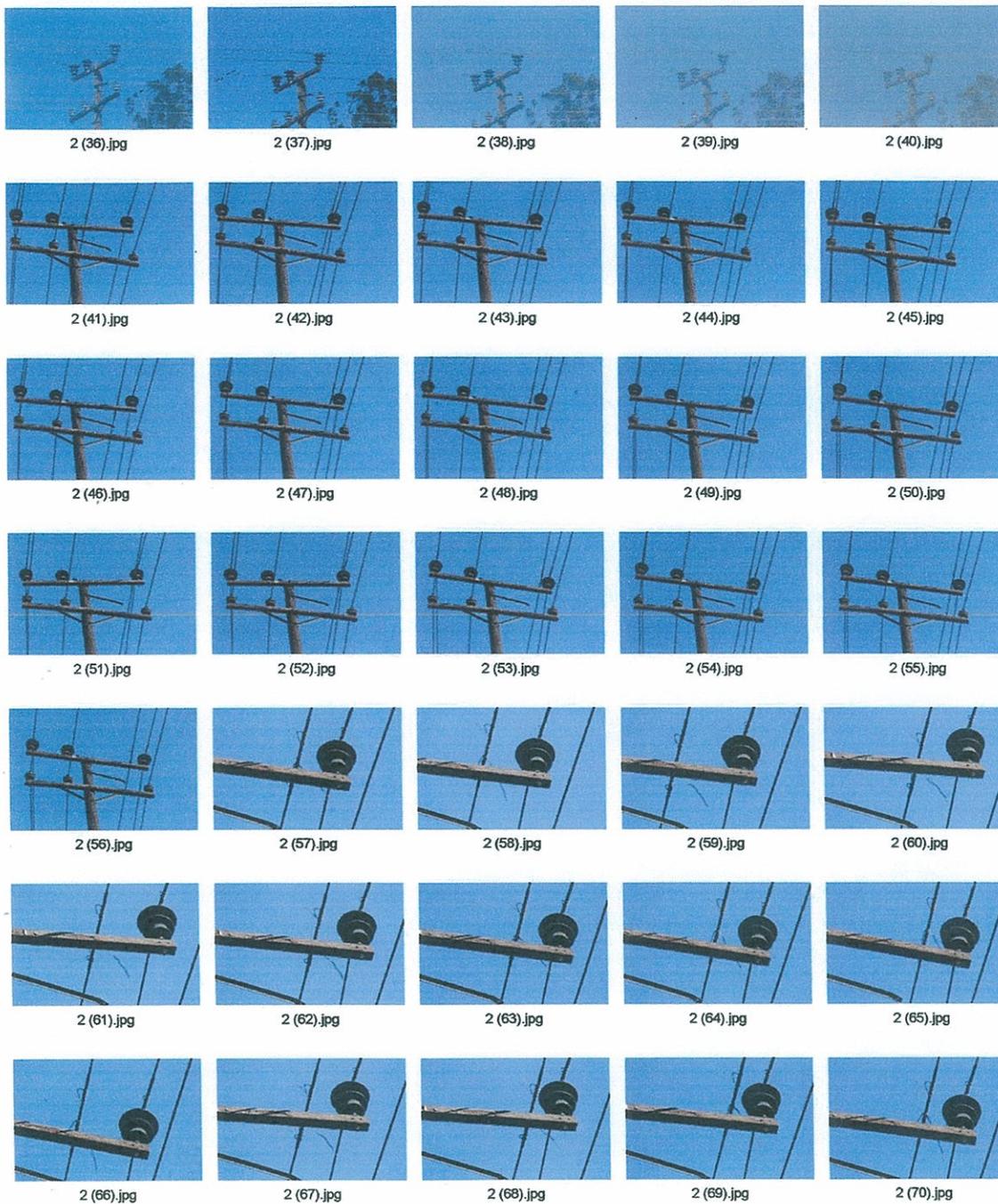


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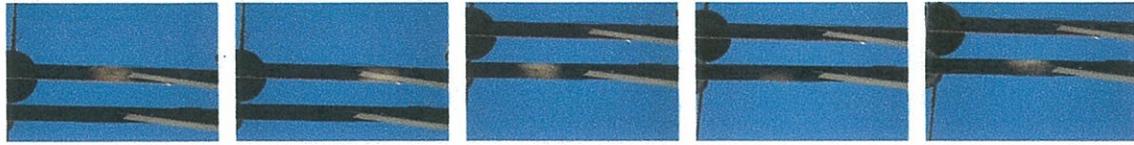
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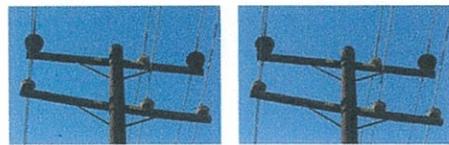
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10- ATTACHMENT: Campbell Photograph Proof Sheet and Photographs



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DSCN3051.JPG



DSCN3052.JPG



DSCN3053.JPG



DSCN3054.JPG

DSCN3048



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DSCN3051



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DSCN3054



10- ATTACHMENT: Campbell Email Regarding Digital Picture Properties
Time Stamp

Photograph Properties (time taken)

Page 1 of 2

Delgado, Rod

From: Timothy Campbell [tfcampbell@wcpcci.com]
Sent: Friday, November 09, 2007 1:42 PM
To: Delgado, Rod
Subject: RE: Photograph Properties (time taken)

Sorry about that.

The photos are dated and time stamped as follows:

Photos: 3040-3041 are 10/22/07 9:00am
 Photos: 3042-3043 are 9:01am
 Photos: 3044 – 3048 are 9:02am
 Photos: 3049 is 9:03 am
 Photos: 3051-3052 are 9:04 am
 Photos 3053 is 9:05am
 Photos 3054 – 3056 are 9:08am
 Photos 3058 – 3059 are 9:09am
 Photo 3060 is 9:10am
 Photo 3062 is 9:12 am

I hope this is what you need.



Timothy Campbell
 West Coast Property Consultants
 Area Manager - Inland Empire North
 102 East Grand Blvd
 Corona CA 92879



951.371.8715



951.371.8134



909.528.1253



tfcampbell@wcpcci.com

Our mission is to help the nation's best builders deliver America's dream home. WCPC's outstanding and knowledgeable staff delivers accurate, timely inspection information utilizing the latest technology.

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From: Delgado, Rod [mailto:Rod.Delgado@fire.ca.gov]
Sent: Friday, November 09, 2007 10:43 AM
To: Timothy Campbell
Subject: Photograph Properties (time taken)

Tim, Thank you for your assistance. Your pictures will prove to be valuable to my investigation. I am guessing the

11/13/2007

Photograph Properties (time taken)

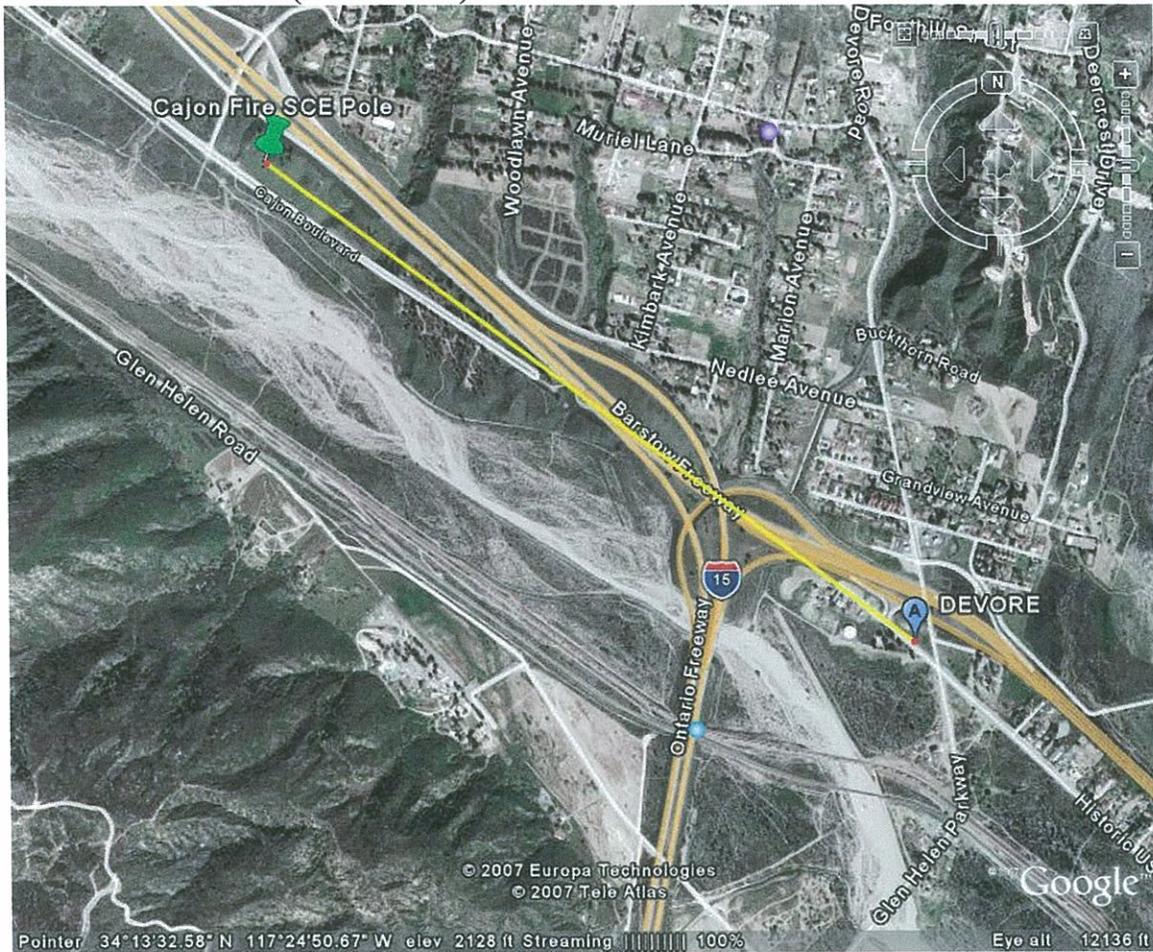
Page 2 of 2

"Properties" of the pictures may not display the time the photographs were taken, so if you could, would you please look at the properties of the pictures before you send them, and separately list the time each of the 6 photos was taken. I know this is a lot to ask, but the time the picture is taken is critical to my assessment. Usually when I receive any photos after they have been copied once to a computer (in this case your computer) the properties for each will only show when the picture was "modified (or copied to a new folder) Thank you again for your help and diligence in taking these pictures.

Rodney J Delgado
Fire Investigator
Cal Fire
Office 909 881-6922

11/13/2007

10- ATTACHMENT: Devore Remote Automated Weather Station Location
(Aerial View)



A= Devore Remote Automated Weather station Location 1.5 miles southeast of the subject power pole.

10- ATTACHMENT: Devore Remote Automated Weather station Data
10-22-07 5:10 a.m. through 10-23-07 5:10 a.m.

http://www.nset.utah.edu/cgi-bin/droman/meso_base.cgi?product=&stn=DVOC1&unit=0&time=LOCAL&day1=23&month1=10&year1=2007&hour1=6

Past Weather Conditions for DVOC1

Observations prior to selected time: October 23, 2007 - 06:00 PDT

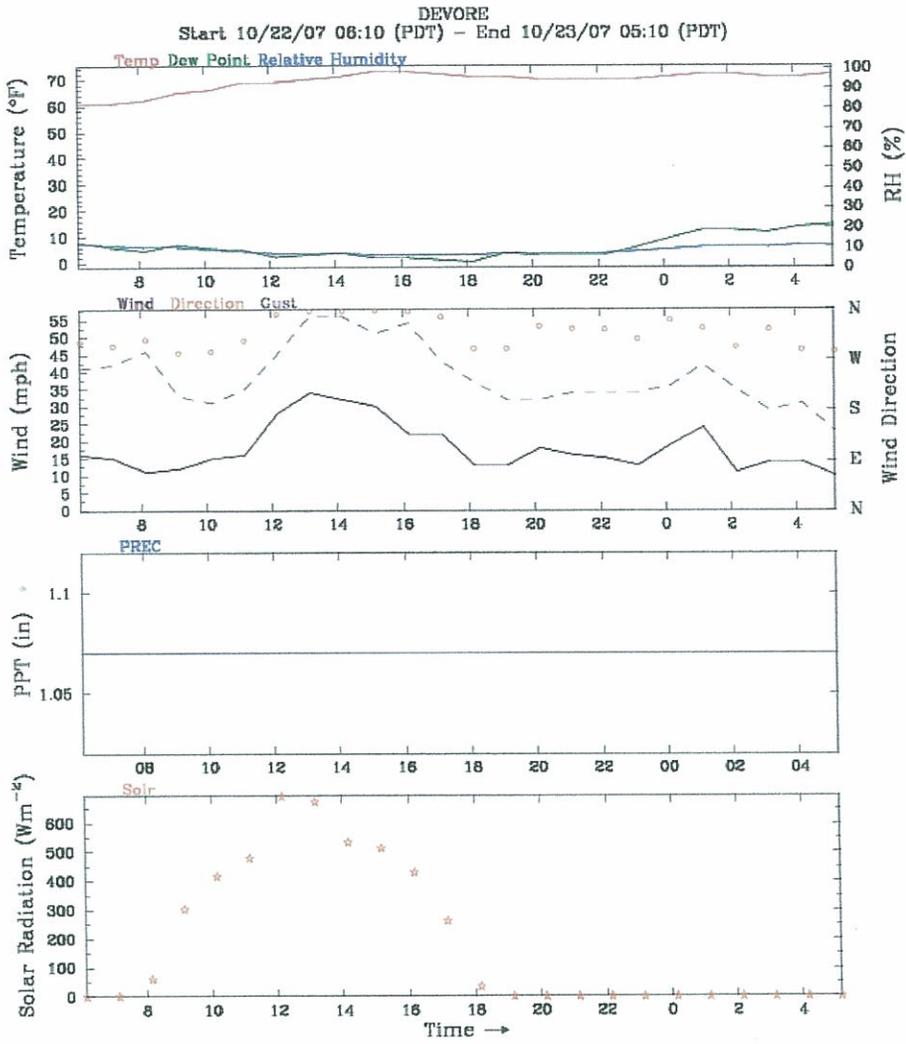
Weather Conditions at October 23, 2007 - 5:10 PDT

	5:10	24 Hour Max	24 Hour Min
Temperature	72.0° F	73.0 at 15:10	61.0 at 6:10
Dew Point	14.6° F	14.6 at 5:10	0.5 at 18:10
Wet Bulb Temperature	47.7° F	47.7 at 5:10	41.1 at 7:10
Relative Humidity	11%	12 at 6:10	6 at 15:10
Wind Speed	10 mph from WNW	34 at 13:10	10 at 5:10
Wind Gust	23 mph	56 at 13:10	23 at 5:10
Solar Radiation	0.0 W/m*m	692.0 at 12:10	0.0 at 6:10
Fuel Temperature	70.0° F	75.0 at 13:10	60.0 at 6:10
10 hr Fuel Moisture	4 gm	4 at 6:10	4 at 22:10
Battery voltage	13.00 volt	14.30 at 13:10	12.90 at 6:10

Precipitation accumulated since midnight: 0.00", in 24 hours: 0.00"

Tabular Listing: October 22, 2007 - 6:00 through October 23, 2007 - 06:00 PDT

Time(PDT)	Temperature	Dew	Wet Bulb	Relative Humidity	Wind Speed	Wind Gust	Wind Direction	Quality check	Solar Radiation	Precipitation accumulated	Fuel Temperature	10 hr Fuel Moisture	Battery voltage
	°F	°F	°F	%	mph	mph			W/m*m	in	°F	gm	volt
5:10	72.0	14.6	47.7	11	10	23	WNW	OK	0.0	1.07	70.0	4	13.00
4:10	71.0	13.9	47.1	11	14	31	WNW	OK	0.0	1.07	69.0	4	13.00
3:10	71.0	11.7	46.8	10	14	29	NW	OK	0.0	1.07	69.0	4	13.00
2:10	72.0	12.5	47.3	10	11	35	WNW	OK	0.0	1.07	70.0	4	13.00
1:10	72.0	12.5	47.3	10	24	42	NW	OK	0.0	1.07	71.0	4	13.00
0:10	71.0	9.4	46.4	9	19	36	NNW	OK	0.0	1.07	70.0	4	13.00
23:10	70.0	6.0	45.5	8	13	34	NW	OK	0.0	1.07	69.0	4	13.00
22:10	70.0	3.1	45.2	7	15	34	NW	OK	0.0	1.07	69.0	4	13.10
21:10	70.0	3.1	45.2	7	16	34	NW	OK	0.0	1.07	69.0	4	13.10
20:10	70.0	3.1	45.2	7	18	32	NNW	OK	0.0	1.07	69.0	4	13.10
19:10	71.0	3.8	45.7	7	13	32	WNW	OK	0.0	1.07	69.0	4	13.10
18:10	71.0	0.5	45.4	6	13	37	WNW	OK	34.0	1.07	70.0	4	13.10
17:10	72.0	1.3	45.9	6	22	43	NNW	OK	261.0	1.07	74.0	4	13.30
16:10	73.0	2.0	46.5	6	22	54	N	OK	429.0	1.07	73.0	4	13.60
15:10	73.0	2.0	46.5	6	30	51	N	OK	512.0	1.07	74.0	4	13.50
14:10	71.0	3.8	45.7	7	32	56	N	OK	533.0	1.07	75.0	4	13.70
13:10	70.0	3.1	45.2	7	34	56	N	OK	673.0	1.07	75.0	4	14.30
12:10	69.0	2.4	44.6	7	28	45	N	OK	692.0	1.07	74.0	4	13.60
11:10	69.0	5.3	45.0	8	16	35	NW	OK	478.0	1.07	73.0	4	13.70
10:10	66.0	5.6	43.6	9	15	31	WNW	OK	415.0	1.07	68.0	4	13.70
9:10	65.0	7.1	43.3	10	12	33	WNW	OK	302.0	1.07	69.0	4	13.70
8:10	62.0	4.8	41.5	10	11	46	NW	OK	60.0	1.07	63.0	4	13.20
7:10	61.0	6.1	41.1	11	15	42	WNW	OK	1.0	1.07	60.0	4	12.90
6:10	61.0	8.0	41.4	12	16	41	WNW	OK	0.0	1.07	60.0	4	12.90
5:10	61.0	8.0	41.4	12	13	36	W	OK	0.0	1.07	60.0	4	12.90



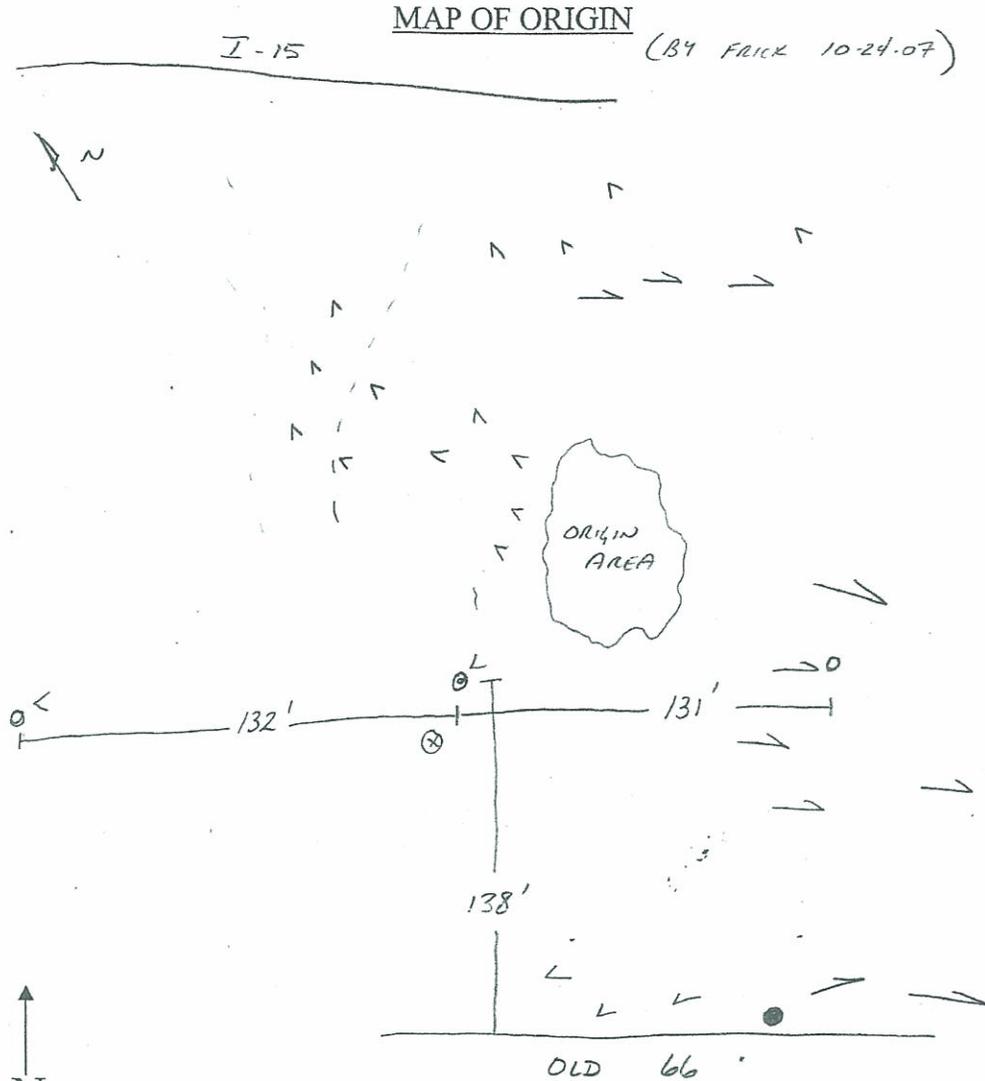
10- ATTACHMENT: Special Agent Frick Memorandum of Interview with Julie GAUTHIER and Melissa GAUTHIER

 USDA Forest Service	MEMORANDUM OF INTERVIEW <i>(Reference FSH 5309.11)</i>			1. CASE NUMBER 07-05-8695365 (x-ref CA FIRE #07-3522-074)	
	2. NATURE OF INVESTIGATION Cajon Fire				
3. NAME OF PERSON INTERVIEWED <i>(Last, First, Middle)</i> Gauthier, Julie		4. SOCIAL SEC. NO. - -	5. DOB / /	6. SEX F	
7. HOME ADDRESS <i>(St., City, State, ZIP Code)</i>		8. DRIVER'S LIC. NO.	9. PHONE (H) <i>(Area Code)</i>		
10. EMPLOYMENT <i>(Occupation and Location)</i>		11. PHONE (W) <i>(Area Code)</i> () -			
12. LOCATION OF INTERVIEW Cajon Blvd. & Kenwood Ave. (Cajon Fire)		13. NAME OF OFFICER CONDUCTING INTERVIEW SA Steve Frick			
14. OTHERS PRESENT Melissa Gauthier (passenger)		15. STARTED Date Time 10-23-07 5:55 pm		ENDED Date Time 10-23-07 6:15 pm	
16. REMARKS On October 23, 2007 at approximately 5:55 pm, Special Agent (SA) Stephen FRICK of the United States Forest Service contacted and interviewed Julie GAUTHIER and her daughter-in-law Melissa GAUTHIER regarding the Cajon Fire. Julie GAUTHIER had witnessed the start of the Cajon Fire and Melissa GAUHTIER called 9-1-1 to report the fire. Julie GAUTHIER told SA FRICK that on October 22, 2007 at approximately 11:30 a.m., she was driving southbound on Cajon Blvd. with Melissa GAUTHIER. At the intersection of Kenwood Avenue, near Interstate 15, Julie GAUTHIER observed a large "blue ball of light" emitting from the top of a power pole located near the intersection. She estimated the light traveled five feet away from the top of the pole. Julie GAUTHIER described the blue ball of light as an "arc". Seconds after she witnessed the arc, a fire started on the ground near the base of the power pole. Julie GAUTHIER continued by describing the rate of the fire as really quick. It was windy and the fire spread rapidly. Melissa GAUTHIER, a passenger in the vehicle, used her cellular telephone to call 9-1-1 and reported the fire. Julie GAUTHIER pointed to the power pole that she believed started the Cajon Fire. From the intersection, Julie GAUTHIER described the power pole as the second one back from the road. Julie GAUTHIER used the metal wrap around the power pole to identify the location she witnessed the arc. There were three power poles that were wrapped with metal sheathing. Julie GAUTHIER believed that it may have been the second wrapped pole from the intersection that created the arc. However, the more she looked, the less she was sure. Julie GAUTHIER told SA FRICK that it may have been the third power pole that she observed emitting the "blue ball of light". Melissa GAUTHIER, who was also present during the interview, told SA FRICK that she had not witnessed the "blue ball of light" but that she heard Julie GAUTHIER exclaim, "Did you see that!" or "Look at that!".					

	USDA Forest Service	MEMORANDUM OF INTERVIEW <i>(Reference FSH 5309.11)</i>	1. CASE NUMBER 07-05-8695365 (x-ref CA FIRE #07-3522-074)
<p>When Melissa GAUTHIER had looked in the direction Julie GAUTHIER had indicated, Melissa GAUTHIER immediately witnessed a fire start near the base of a power pole. Melissa GAUTHIER did not see the blue ball of light but witnessed the fire start immediately after Julie GAUTHIER'S observations and excited utterance.</p> <p>Both Julie GAUTHIER and Melissa GAUTHIER'S observations were made approximately 150 yards away from the power pole. Both had a direct line of sight to the power poles and their observations were not obstructed. <i>(Gauthier MOI attachment #1 – photograph depicting location of observations, looking towards power pole)</i></p> <p>Julie GAUTHIER said that she had witnessed somebody arrive at the fire shortly after them who started using a camera. Julie GAUTHIER said that the man appeared to be taking video footage or photographs of the fire.</p> <p>Approximately 5-10 minutes after the fire started, Julie GAUTHIER and Melissa GAUTHIER left the area.</p> <p style="text-align: center;">*****</p>			
17. OFFICER'S SIGNATURE 		18. WITNESS' SIGNATURE (If Applicable) 	
<small>NOTE: This document is for OFFICIAL USE ONLY. It and its contents are not to be distributed outside your agency, nor duplicated, without prior approval of the USDA, Forest Service, Law Enforcement and Investigations.</small>			

Previous Editions are Obsolete

10- ATTACHMENT: Special Agent Frick Fire Origin Sketch



(NOT TO SCALE)

SKETCHING LEGEND

---	Origin	---	Campfire	---	Fire Running
---	Tree	---	Trail	---	Fire Backing
---	Brush	---	Litter	---	Road

⊙ BROKEN SUPPORT POLE
 ⊗ APPROX. LOCATION OF NUT
 ○ POWER POLE
 ● OLD BOLTS/SUPPORT-LITTER

(Page 6)

POLE LOCATION
 34° 14' 02.9"
 117° 25' 28.0" (Canon 21')

10- ATTACHMENT: Special Agent Frick Photograph Log**PHOTOGRAPH LOG**

CASE: Cajon Fire
CASE#: U.S. Forest Service #07-05-8695365
 Cal Fire #07-3522-074
PHOTO DATE: October 23, 2007 and October 24, 2007
PHOTOGRAPHER: SA Stephen Frick

October 23, 2007

<u>Photo #</u>	<u>Description</u>
1	Overview of Cajon Fire origin area containing power poles and container, near intersection of Kenwood Ave and Cajon Blvd.
2	Broad overview of Cajon Fire origin area
3	Power pole in origin area depicting repairs on top cross beam.
4	(same as previous photograph)
5	(same as previous photograph)
6	Power pole in origin area from higher elevation showing center insulator replacement on top beam and two larger insulators (located on outside lines) which were present prior to repair on October 22, 2007.
7	(same as previous photograph)
8	(same as previous photograph)
9	(same as previous photograph)
10	Power pole in origin area from higher elevation looking west towards old Highway 66.
11	Close up of outer insulator (west side) containing marks from middle power line rubbing on 10-22-07. Middle power line contains marks.
12	(same as previous photograph)
13	(same as previous photograph)
14	(same as previous photograph)
15	(same as previous photograph)
16	(same as previous photograph)
17	Photograph from below power pole near origin depicting center power line on top cross-beam which contains fresh marks.
18	(same as previous photograph)
19	Photograph from below power pole near origin depicting center power line on top cross-beam which contains fresh marks. Large insulator on left is on the east side of the cross-beam.
20	(same as previous photograph)

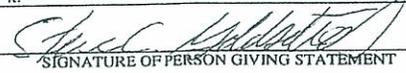
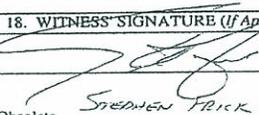
- 41 (same as previous photograph)
42 Rock containing soot staining on downhill side. Blue flag indicates a backing fire indicator.
43 Opposite side of rock from photograph #42 containing no staining, protected side.
44 Rocks containing soot staining on downhill side. Blue flag indicates a backing fire indicator.
45 Opposite side of rocks from photograph #44 containing light staining, protected side. Also noted is presence of light to little fuels on protected side of rocks.
46 Rock containing soot staining on downhill side. Staining solid on side of rock to ground. Blue flag indicates a backing fire indicator.
47 Opposite side of rock from photograph #46 containing no staining at base of rock, protected side.
48 Base of bush burned on downhill side. Blue flag indicates backing fire indicator.
49 Opposite side of bush base from photograph #48, uphill side, containing very little burn at base.
50 Rock containing staining on downhill side.
51 Same rock from photograph #50 with very little staining on uphill side, protected side. Also noted that light fuels are present on protected side of rock.
52 Photograph from top of hill looking west towards origin power pole and blue flags representing backing fire indicators and a red flag indicating an advancing fire.
53 Photograph from top of hill looking southwest towards power pole to south of origin power pole with a blue flag representing a backing fire indicator and red flags indicating an advancing fire.
54 Power pole to south of origin power pole with staining high on pole. Staining on pole consistent with longer flame length and an advancing fire.
55 Power pole to south of origin power pole looking north towards origin power pole. Staining on power pole is high up pole consistent with a longer flame length.
56 Gas tank in Cajon Fire containing staining on right side. Red flag identifies gas tank as an indicator of an advancing fire.
57 Leaf "freezing" indicating direction of fire path and consistent with advancing fire, red flag.
58 (same as previous photograph)
59 (same as previous photograph)
60 Metal parts found in fire along old Highway 66 similar to support arms used on power poles in area to support cross-beams.
61 Bolt and nut found in fire similar to one that failed on origin pole. White flag indicates item of interest.

- 21 Photograph from below power pole near origin looking up at west side insulator on top cross-beam. Same insulator containing marks in photographs 11-16.
- 22 (same as previous photograph)
- 23 Photograph from Cajon Blvd. looking south towards intersection with Kenwood Ave. and Cajon Fire origin area.
- 24 (same as previous photograph)
- 25 (same as previous photograph)
- 26 (same as previous photograph)
- 27 (same as previous photograph)

October 24, 2007

- 28 Power pole in origin area of Cajon Fire, after Southern California Edison pushed in road and repaired pole. Blue flags in photograph indicate a backing fire burn indicator.
- 29 Power pole north of origin power pole. Road pushed in by California Southern Edison. Blue flags in photograph indicate a backing fire burn indicator.
- 30 Origin area power pole on left of photograph and power pole to south (right) of origin power pole. Blue flags in photograph indicate a backing fire burn indicator.
- 31 Old Highway 66 looking south towards direction Cajon Fire traveled. Red flags in photograph identify advancing fire burn indicator.
- 32 Area northwest of origin power pole containing blue flags representing backing fire burn indicators.
- 33 Area southwest of origin power pole containing backing and advancing fire indicator flags.
- 34 Base of origin pole in Cajon fire depicting low intensity fire evident by height of staining on metal wrap. Blue flag indicates backing fire and white flag represents location of bolt found by Rod Delgado on October 22, 2007.
- 35 (same as previous photograph)
- 36 Origin power pole looking up hill in direction of blue flag, indicating a backing fire traveling up the hill.
- 37 Photograph from the origin power pole looking south towards the next pole.
- 38 Photograph from the origin power pole looking north towards the next pole. Pole to the north contains a higher staining mark evident of a longer flame length.
- 39 Drainage to southeast of origin power pole containing blue flags, backing indicators traveling up the hill.
- 40 Hill to the east of the origin power pole containing blue flags, backing indicators traveling up the hill. Photograph contains red flags representing indicators consistent with advancing fire or a run for the fire.

10- ATTACHMENT: W-4 GOLDSCHMIDT Statement

 USDA Forest Service		STATEMENT <i>(Reference FSH 5309.11)</i>		Case/File Number 07-05-8695365 <input type="checkbox"/> Initial Report <input checked="" type="checkbox"/> Follow-Up	
2. NATURE OF INVESTIGATION					
Wildland Fire Origin and Cause					
3. PERSON MAKING STATEMENT (Last, First, Middle)			4. SOCIAL SEC. NO.	5. DOB	6. SEX
Goldschmidt, Steven Craig			- -		Male
7. HOME ADDRESS (St., City, State, ZIP Code)			8. DRIVER'S LIC. NO.	9. PHONE (H) (Area Code)	
			N3121081		
10. EMPLOYMENT (Occupation and Location)				11. PHONE (W) (Area Code)	
USDA Forest Service, San Bernardino N.F.				(951) 316 - 3606	
12. LOCATION STATEMENT TAKEN		13. NAME OF OFFICER TAKING STATEMENT		14. DATE TIME STARTED	
Lytle Creek R.S.				10/26/2007 1500	
15. STATEMENT					
<p>On October 22, 2007, While performing patrol duties in the Cajon Pass area, I responded to a report of a vegetation fire in the area of I-15 and Kenwood ave. I arrived on scene at approx. 11:50 am. The Fire was well established in light grass and brush, about 10-20 acres in size, growing at a rapid rate of spread. The Fire was being pushed by a 40-50 mph Northeast (Santa Ana) wind with occasional gust to 70 mph. At this time I assisted the IC with positioning incoming resources. I then contacted BDO Brush Engine 225 and Brush Engine 232 and requested they perform a burnout operation near the Intersection of I-15 and Kenwood ave. I then attempted to find a point of origin where I believed the Fire started. The area I searched was on the S/B shoulder of the I-15 south of Kenwood ave. My search revealed nothing suspicious. About this time I was contacted by Rod Delgado, Cal Fire Prevention Captain (P3522). Captain Delgado stated he had information regarding how the Fire started. We drove to the area of Cajon blvd 1/8 of a mile South of Kenwood ave. Captain Delgado then pointed out an Electrical Power line that had become detached from it's insulator. The line was swaying freely in the strong wind. The line also had a smaller gauge wire wrapped around it which I believe is used to attach the line to the insulator. This smaller wire was wrapped around the main line several times in a spiral fashion. The ends of the wire protruded out 6-12 inches on both ends. The crossarm that supports the 3 wires was "see-sawing" up and down. This was the result of the 2 metal brackets that stabilize the crossarm had become detached. During strong gust's of wind the power line would come into contact with the Westernmost power line, however no arcing was occurring at that time. Captain Delgado and I then reviewed pictures that a passerby had taken and infomed me of statements that witnesses had made. We then walked up to the area of the pole to get a closer look. At this time I assisted Captain Delgado photograph the powerline, crossarm, insulator and pole. We also searched the area around the pole for burn patterns. At this time Captain Delgado no longer needed my assistance and released me from the scene.</p> <p>I have read the foregoing statement consisting of ____ pages. I fully understand this statement and declare that the foregoing is true, accurate, and complete to the best of my knowledge. I have signed or initialed each and every page and have been given an opportunity to make any corrections or additions.</p> <p>I have made this statement freely and voluntarily, without threats or rewards, or promises of rewards having been made to me in return for it.</p>					
 SIGNATURE OF PERSON GIVING STATEMENT				16. DATE/TIME ENDED	
				10-26-2007 1700 hrs.	
17. OFFICER'S SIGNATURE			18. WITNESS SIGNATURE (If Applicable)		
Same			 STEPHEN TRICK		

10- ATTACHMENT: San Bernardino County Communications Center
Cad Run Sheet

DEC.18.2007 10:37 909-356-3809

Comm. Center

#7150 P.002 /005

12/18/07 09:57:27 PRINT REQUESTED BY TERMINAL CCCG07
FIRE INCIDENT #07070186 ENTERING CENTER RUN #CCC07070186
ENTERED 10/22/07 11:29:15 BY CCCG02/10546
DISPATCHED 11:30:19 BY CCCG06/H0664
ONSCENE 11:43:48
CLOSED B01 10/23/07 17:54:26

TYPE: FG (VEGETATION FIRE) PRIORITY: 6 SOURCE: 9
DISPATCH GROUP: B01 FDZ: CSC1B2 MAP: FH21BC1 AMBZ: AM
STATE RESPONSE ZONE: PIZ: THOMAS BROS. MAP: 515-A4 AGENCY MAP: B 14

LOCN: CAJON BL /KENWOOD AV ,DEV <17200/00>
PHONE: 9516606286

/1129 102207 TEXT E911 TIME: 112811 POWER LINE ARC- STARTED VEG FIRE/
/1129 102207 RUN #CCC07070186
/1130 102207 DISP (H0664) ME2R BE111 BE75 ME75R BC123 6FGND1
/1130 102207 RUN #B0107001348
/1130 102207 RUN #BDC07043283
/1130 102207 RUN #BCC07015324
/1132 102207 *ENRTE ME75R
/1132 102207 *ENRTE BE75
/1132 102207 *ENRTE BC123
/1133 102207 *ENRTE ME2R
/1133 102207 MISC (B7805) BC123 , SMOKE SHOWING
/1136 102207 ASSTER (B7805) WT78
/1136 102207 ENRTE (B7805) 6FGND1
/1137 102207 ASST (B7805) FEDCOM
/1137 102207 ASSTER (A7909) BE232 BE225
/1137 102207 RUN (A7909) #BDO07000428
/1138 102207 MISC (B7805) BC123 , REQ 2ND ALRM FROM COUNTY
/1138 102207 ALARM 2
/1139 102207 MISC (B7805) FEDCOM , ONLY 1 ENG TO SEND E3637FROM APPLE VALLEY
/1139 102207 MISC (10546) , FONTANA PD STATING FIRE IS AT I15/CITRUS
/1139 102207 DISP ME232 BE12 ME79 MBE40 BE23 E23 WT48 BC124 , 2ND ALRM
/1139 102207 RUN #B0907007164
/1139 102207 RUN #GRT07000910
/1140 102207 NEWLOC (B7805) FEDCOM REQ
/1140 102207 ASST DC107
/1140 102207 ENRTE (C2101) DC107
/1140 102207 *ENRTE MBE40
/1141 102207 *ENRTE WT48
/1141 102207 *ENRTE ME79
/1141 102207 ASST (B7805) RED CDFCOM
/1141 102207 RUN (B7805) #CDF07000987
/1142 102207 *ENRTE E23
/1142 102207 *ENRTE BE12
/1142 102207 ASSTER (B5543) E3637
/1143 102207 AIQ (B5543) FEDCOM ,
/1143 102207 ONSCNE (B7805) BC123 , 20 ACRES MED FUEL WIND DRIVEN FIRE FUEL ON
SB 15 AT KENWOOD HEADED TOWARDS WASH AND RR
/1143 102207 ASST (B5543) TAC5
/1143 102207 CANNED OSA 6FGND1 E23 E3637 TAC5 BC123 BC124 CDFCOM BE111 BE12 BE2
25 BE23 BE232 BE75 DC107 MBE40 ME232 ME2R ME75R ME79 RED ON SCENE, WORKING INCI
DENT. BC123,20 ACRES MED FUEL WIND DRIVEN FIRE FUEL ON SB 15 AT KENWOOD HEADED
TOWARDS WASH AND RR
/1144 102207 AIQ (B5543) RED ,
/1144 102207 CANNED OSA 6FGND1 E23 E3637 TAC5 BC123 BC124 CDFCOM BE111 BE12 BE
25 BE23 BE232 BE75 DC107 MBE40 ME232 ME2R ME75R ME79 WT48 ON SCENE, WORKING INC
IDENT. BC123,20 ACRES MED FUEL WIND DRIVEN FIRE FUEL ON SB 15 AT KENWOOD HEADED
TOWARDS WASH AND RR
/1144 102207 NEWLOC (B5543) TAC5 151.250
/1144 102207 AIQ (B7805) 6FGND1 ,
/1145 102207 ASSTER (B7805) DC106
/1145 102207 ASSTER (B7805) D2

DEC.18.2007 10:37 909-356-3809

Comm. Center

#7150 P.003 /005

/1145 102207 ENRTE (B7805) TAC5
/1146 102207 ENRTE (B5543) ME232
/1146 102207 ONSCNE (B7805) BE75
/1146 102207 ONSCNE (B7805) WT78
/1147 102207 ONSCNE (B7805) BE232
/1148 102207 *ENRTE BE23
/1149 102207 ASSTER (B7805) BC117
/1149 102207 MOVEOS (B7805) BC123 CAJON IC
/1150 102207 ASSTER (10546) CH102
/1150 102207 MISC (B7805) BC123 , SHUT DOWN ALL LANES AT KENWOOD EAST SIDE OF F
WY MAIN DIRECTION
/1151 102207 *ONSCNE ME75R
/1151 102207 MOVEOS (B7805) BC117 SAFETY
/1152 102207 MISC (B5543) , FIRE ALSO IFO 1924 GLEN HELEN RD
/1153 102207 MISC (B7805) BC123 , 50 ACRES OR MORE PROGRESSING TO THE SOUTHWEST
HOPEING TO HOLD AT THE WASH BUT OPTOMISTIC, SPOTTING IN MEDIUM
/1154 102207 ASSTER (B7805) TS2
/1157 102207 *ONSCNE MBE40
/1158 102207 ONSCNE (B7805) DC107
/1200 102207 *ONSCNE ME79
/1201 102207 MISC (B7805) ME79 , SWITCHING TO TAC
/1203 102207 ONSCNE (10546) WT48
/1205 102207 MISC (B7805) BC123 , REQ IMM CLOSURE FOR SB I15 FROM 215 TO GLEN H
ELEN
/1206 102207 AOR (B7805) BC124 ,
/1207 102207 *ONSCNE DC106
/1209 102207 MISC (C2101) , NEW SPOT END OF GLEN HELEN ROAD WHERE IT TURNS INTO
GRAVEL, AT TOP OF MT IN DEER PARK
/1209 102207 *ONSCNE BE23
/1209 102207 MISC (B7805) BE23 , SWITING TO TAC
/1210 102207 *ONSCNE E23
/1216 102207 ASSTOS (B5543) RED
/1216 102207 MOVEOS (B5543) RED STRUCTURE PROTECTION GROUP
/1218 102207 MISC (B7805) DC106 , REQ GLN HELN PKWY CLOSED AT OFF RAMP AND CLEA
RWATER TO PREVENT CROSS TRAFFIC
/1219 102207 MISC (B7805) DC106 , S/O NOTIFIED TO CLOSE
/1220 102207 ONSCNE (B7805) TS2
/1220 102207 ONSCNE (B7805) D2
/1233 102207 ASSTOS (B7805) BC120 ME204 ME225 WT203 WT204
/1233 102207 RUN (B7805) #RIA07007847
/1234 102207 AIQ (B7805) CDFCOM , NOTIFIED
/1236 102207 ONSCNE (B7805) ME232
/1236 102207 ONSCNE (B7805) ME2R
/1237 102207 ONSCNE (B7805) TAC5
/1304 102207 AOR (B7805) BE111 ,
/1340 102207 AOR (B7805) DC107 ,
/1342 102207 ASSTOS (A7909) BROWN
/1401 102207 MISC (B5543) , R/P CALLING ADVISING OF VEG FIRE AT KIMBARK AV/NEDD
EE AV
/1412 102207 *AOR BC120 ,
/1412 102207 MOVEOS (B7805) BC117 .
/1413 102207 ASSTOS (B7805) TR182
/1413 102207 MOVEOS (B7805) TR182 SAFETY
/1416 102207 MISC (10546) , RR TIES ON FIRE - KENWOOD/DEVORE RD - APPROX 50 RR
TIES
/1417 102207 MISC (B7805) BC123 , NEDLEE X KIMBARD ALL PART OF CAJON FIRE, NO
HREAT TO DEVORE INC.
/1432 102207 ASST (B7805) CP130
/1436 102207 AIQ (B7805) CP130 ,
/1451 102207 MISC (10546) , OFF DUTY F/F AND AN S/O UNIT ON SCENE SPOT FIRE AT
26096 WALNUT HILLS X-FAIRWAY
/1455 102207 MISC (10546) , DISREGARD 26096 WALNUT HILLS IN CALL IN ERROR
/1513 102207 MOVEOS (C2101) BC117 DIVISION ZULU
/1445? 102207 ASSTER (B7805) CP130A

DEC.18.2007 10:37 909-356-3809

Comm. Center

#7150 P.004 /005

/1515? 102207 ONSCNE (B7805) CP130A
/1642 102207 AOR (B7805) BC123 ,
/1700 102207 MISC (C5716) , PER RP - FLAMES GOING UP THE HILL AT GLEN HELEN
/1702 102207 ASSTOS (B7805) BC123 WT77
/1720 102207 *AOR WT77 ,
/1720 102207 MISC (A7909) , PER CELL 7609635571 FG NB I15 JUST PAST SIERRA EXIT
/1721 102207 MISC (B7805) , ADVD BC123 RP SEEING FIRE NB I15 AT SIERRA
/1721 102207 MISC (B7805) BC123 , JUST CHCKD AREA WAS UTL
/1722 102207 MOVEOS (B7805) BC123 CAJON IC
/1724 102207 MISC (B7805) , PER CHP, AMR PERSONELL SAW 2 JUV TRYING TO START A
FIRE AT GLEN HELEN X I15. IC ADVD
/1749 102207 ASSTOS (B7805) BC120
/1803 102207 MOVEOS (B7805) BE232 RLSD
/1805 102207 NEWLOC (B7805) BE232 RLSD
/1812 102207 NEWLOC (H2744) BE232 REL
/1817 102207 NEWLOC (B7805) ME204 RLSD
/1820 102207 MISC (B7805) , MESSAGE TEXT --|BC803 FYI ME204 RLSD FROM CAJON INC
IDENTHAS BEEN SENT TO THE FOLLOWING PAGER(S):3828
/1820 102207 AOR (B7805) BC117 ,
/1825 102207 MISC (C5716) , GETTING ANOTHER REPORT - HOT SPOT NB I15/GLEN HELEN
/1827 102207 MISC (B7805) BC123 , SB 215 S/OF DEVORE UNFOUNDED
/1828 102207 MISC (B7805) BC123 , FROM DEVOR OVERPASS LITTLE MTN FIRE EXTREMELY
VISIBLE
/1830 102207 *AOR ME204 ,
/1918 102207 AOR (O0407) ME2R ,
/1921 102207 NEWLOC (O0407) D2 REL
/1948 102207 AOR (O0407) D2 ,
/1957 102207 AOR (O0407) BC123 ,
/1957 102207 AOR (O0407) WT204 ,
/1957 102207 *AOR BC120 ,
/2046 102207 NEWLOC (O0407) ME79 REL-RET
/2046 102207 *AOR (B8165) ME79 ,
/2047 102207 *AOR (B8165) E23 ,
/2051 102207 NEWLOC (O0407) ME75R REL-RET
/2055 102207 *AOR (B8165) ME75R ,
/2105 102207 AIQ (H2213) ME232 ,
/2142 102207 AIQ (H2213) BE232 ,
/2305 102207 CHANGE (H2213)
/2305 102207 CHGPRI 2 TO 6
/0024 102307 AOR (O0407) ME225 ,
/0145 102307 AIQ (B8165) BE75 , IN QRTS ON REST FOR EVENING - REMOVING FROM TEA
M FOR ADDTNL VEG FIRE IN DEVORE #70388
/0150 102307 ASSTOS (F1435) BE75
/0152 102307 AOR (F1435) BE75 , PER BC124 ASSIGNED TO THIS INCIDENT
/0312 102307 AOR (F1435) WT78 ,
/0404 102307 AOR (O0407) DC106 , ENRT ANOTHER FIRE AT CHERRY AND THE I 210
/0424 102307 AIQ (B8165) BE12 , UNIT IN QRTS FOR REST - ASSIGNED TO DAY DUTY. B
C120 REQ UNIT PULLED FOR FG #398
/0442 102307 AOS (A7910) BE23 , SWITCHING TO NEW INCIDENT
/0442 102307 PREMPT (A7910) BE23
/0647 102307 ASSTER (O0407) BE12
/0706 102307 ASSTER (F1435) TR183 , REPLACING TR182
/0733 102307 *ONSCNE (A7909) TR183
/0820 102307 NEWLOC (H2744) MBE40 REL
/0820 102307 NEWLOC (H2744) BE12 REL
/0828 102307 AOR BE12 ,
/0830 102307 AIQ (H2744) TS2 , ON THE MARTIN RANCH INC PER DC106
/0830 102307 AIQ (H2744) CH102 ,
/0831 102307 AIQ (H2744) RED ,
/0831 102307 NEWLOC (H2744) WT203 COMMITTED
/0831 102307 MOVEOS (H2744) WT48 COMMITTED
/0832 102307 MOVEOS (H2744) E3637 COMMITTED
/0832 102307 MOVEOS (H2744) CP130A COMMITTED
/0832 102307 AIQ (H2744) TR182 ,

DEC.18.2007 10:37 909-356-3809

Comm. Center

#7150 P.005 /005

```

/0833 102307 NEWLOC (H2744) BE225 ???
/0906 102307 AOR (10546) BROWN ,
/0923 102307 NEWLOC (B5543) MBE40 RELEASED
/0945 102307 *AOR (A7909) MBE40 ,
/0953 102307 NEWLOC (B5543) WT48 RELEASED
/1022 102307 AOR (B5543) WT48 ,
/1203 102307 MOVEOS WT203 COMMITTED STILL OS
/1208 102307 MOVEOS TR183 . , STILL COMMITTED WILL BE OS ALL DAY
/1421 102307 AIQ (H2744) E3637 ,
/1421 102307 AIQ (H2744) BE225 ,
/1426 102307 AIQ CP130A ,
/1435 102307 ASSTOS CP130A
/1716 102307 NEWLOC WT203 RELEASED
/1718 102307 MISC , @MESSAGE TEXT --| BC806 ...WT203 RETURNING TO RIALTOHAS BEE
N SENT TO THE FOLLOWING PAGER(S):3401
/1725 102307 *AOR (A7909) TR183 ,
/1733 102307 *AOR (A7909) WT203 ,
/1700? 102307 AIQ (H2744) CP130A ,
/1753 102307 AIQ (H2744) TAC5 ,
/1754 102307 CLOSE (H2744) B01 ,
/1116 103107 RUN (H2744) #XBO07000100

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10- ATTACHMENT: ICS 209 Incident Summary Report

ICS-209 Form

Page 1 of 2

Incident Status Summary (ICS-209)

1: Date 10/23/2007	2: Time 1800	3: Initial Update Final XX	4: Incident Number CA-BDU-11627	5: Incident Name Cajon		
6: Incident Kind Wildland Fire	7: Start Date Time 10/22/2007 0000	8: Cause Under Investigation	9: Incident Commander Dan Felix Batt. 54	10: Incident Command Organization Type 3 IC	11: State-Unit CA-BDU	
12: County San Bernardino	13: Latitude and Longitude Lat: 34° 14' 11" Long: 117° 25' 30" Ownership: CA-BDU		14: Short Location Description (in reference to nearest town): I-15 / Kenwood in Devore			
Current Situation						
15: Size/Area Involved 250 ACRES	16: % Contained or MMA 90 Percent	17: Expected Containment Date: 10/24/2007	18: Line to Build	19: Estimated Costs to Date	20: Declared Controlled Date: Time:	
21: Injuries this Reporting Period: 0	22: Injuries to Date: 0	23: Fatalities 0	24: Structure Information			
			Type of Structure	# Threatened	# Damaged	# Destroyed
25: Threat to Human Life/Safety: Evacuation(s) in progress ---- No evacuation(s) imminent -- Potential future threat ----- No likely threat -----			Residence			
			Commercial Property			
			Outbuilding/Other			
26: Communities/Critical Infrastructure Threatened (in 12, 24, 48 and 72 hour time frames): 12 hours: 24 hours: 48 hours: 72 hours:						
27: Critical Resource Needs(kind & amount, in priority order in 12, 24, 48, and 72 hour time frames): 12 hours: 24 hours: 48 hours: 72 hours:						
28: Major problems and concerns (control problems, social/political/economic concerns or impacts, etc.) Relate critical resources needs identified above to the Incident Action Plan. Steep rugged terrain and high winds						
29: Natural and Cultural Resources to be protected (kind(s) and value/significance): San Bernardino National Forest and State watershed						
30: Current Weather Conditions Wind Speed: mph Temperature: Wind Direction: Relative Humidity:						
31: Fuels/Materials Involved: 4 Chaparral (6 Feet) Mixed with grass						
32: Today's observed fire behavior (leave blank for non-fire events):						
33: Significant events today (closures, evacuations, significant progress made, etc.):						
Outlook						
34: Estimated Control Date and Time:		35: Projected Final Size:		36: Estimated Final Cost:		

http://fam.nwgc.gov/fam-web/imsrp/r_print_209_head?v_number=CA-BDU-11627&v_r... 11/26/2007

10/26/2007 1800	250														
37: Actions planned for next operational period: Patrol															
38: Projected incident movement/spread during next operational period (in 12, 24, 48, and 72 hour time frames): 12 hours: 24 hours: 48 hours: 72 hours:															
39: For fire incidents, describe resistance to control in terms of: 1. Growth Potential - Low 2. Difficulty of Terrain - Extreme															
40: Given the current constraints, when will the chosen management strategy succeed?															
41: Projected demobilization start date: 10/24/2007 1800															
42: Remarks:															
43: Committed Resources (Supplemental Committed Resources follow the first block)															
Agency	CRW1		CRW2		HEL1	HEL2	HEL3	ENGS		DOZR		WTDR	OVHD	Camp Crews	Total Personnel
	SR	ST	SR	ST	SR	SR	SR	SR	ST	SR	ST	SR	SR		
ST	1									1			2		19
CNTY													2		2
USFS								2					5		15
LGR												1			4
BLM								2							10
PRI												2			3
Total	1	0	0	0	0	0	0	4	0	1	0	3	9	0	53
Total personnel by agency are listed in the first section of committed resources.															
Agency	HELTK		FIXW		TRKCO		RESMD		LGTAIR						
	SR	ST	SR	ST	SR	ST	SR	ST	SR	ST					
ST															
CNTY															
USFS															
LGR															
BLM															
PRI															
Total	0	0	0	0	0	0	0	0	0	0	0				
44: Cooperating and Assisting Agencies Not Listed Above: CHP, Caltrans, San Bernardino County Fire, CALFIRE, BLM and USFS															
Approval Information															
45: Prepared by: Chris Nichols BDU ECC					46: Approved by: Dan Felix (BDF Batt 54)					47: Sent to: CSR by: Chris Nichols BDU ECC Date: 10/23/2007 Time: 1800					

10- ATTACHMENT: Chronological Event Summary**CHRONOLOGICAL EVENT SUMMARY**

The Cajon Fire started October 22, 2007 at about 11:28 a.m.

Time frames are established by records, photographs and notes. Some time frames are approximates.

*Weather****October 22, 2007, 5:10 a.m., through October 23, 2007, 5:10 a.m.***

At 11:10 a.m., approximately 20 minutes before the first report of the Cajon Fire was received, the Devore RAWS reports a temperature of 69 Degrees Fahrenheit, 8 percent Relative Humidity, wind speed 16 mph with gust of 35 mph, and the wind blowing from the northwest. Between 1:10 p.m. and 4:10 p.m., the maximum wind speed exceeded 50 mph with 56 mph recorded at 1:10 p.m., and 2:10 pm, 51 mph at 3:10 p.m., and 54 mph at 4:10 p.m. The winds exceeding 50 mph were north winds.

October 22, 2007, 11:28 a.m.

Southern California Edison (SCE) circuit trips on the subject pole's circuit causing the 33kV conductors to de-energize.

October 22, 2007, 11:29 a.m.

San Bernardino County Communications Center receives a 9-1-1 cellular phone call (W-1 Julie GAUTHIER and W-2 Melissa GAUTHIER) reporting arcing power lines and a fire starting near Kenwood Avenue and Cajon Blvd.

October 22, 2007, 11:33 a.m.

San Bernardino County Battalion Chief 123 reports smoke showing.

October 22, 2007, 11:35 a.m.

I monitor the fire traffic on my office radio as being near Interstate 15 and Kenwood Avenue and I respond from 3800 N Sierra Way in San Bernardino.

October 22, 2007, 11:39 a.m.

I start taking photographs of heavy smoke coming from the Devore area while responding behind BDF Div 3 and Cal Fire Strike Team of engines in the lead.

October 22, 2007, 11:40 a.m.

Cal Fire Emergency Command Center time stamps BDU Incident # 11627.

October 22, 2007, 11:51 a.m.

I arrive in the area of NB Interstate 15 just southeast of Kenwood Avenue and see fire burning in the center divider and on the southwest side of the freeway running with a strong northwest wind.

October 22, 2007, 11:54 a.m.

I arrive on Cajon Blvd just southeast of Kenwood Avenue inside the metal gate

and take photographs to capture the backing fire's location at that moment. I also note several SCE vehicles are at the scene.

October 22, 2007, 12:00 p.m.

I use the Kestrel Weather Instruments to take observations and it records the wind blowing steady at 20 mph with gust to 31 mph. The temperature is showing 68.6 Degrees Fahrenheit, and the relative humidity is 4.2%. I observe the winds are blowing from the northwest.

October 22, 2007, 12:05 p.m.

I drive my department vehicle outside the metal gate and make contact with W-3 EMORY who is sitting in his SCE utility vehicle, equipped with a personnel lift boom, parked facing north on Cajon Boulevard and Kenwood Avenue. He tells me the top power lines are 33kV, and they are de-energized, and the lower 12kV power lines are still energized.

October 22, 2007, 12:10 p.m.

I cannot make contact on the radio with the Incident Commander (IC) to advise him about the power lines. W-3 EMORY walks to my vehicle and tells me the lower 12kV lines are no longer energized because something tripped them. I drive onto south bound Interstate 15 from the Kenwood Avenue on ramp looking for the IC, and I see W-4 GOLDSCHMIDT parked on the southbound shoulder, stopped to talk but he is busy.

October 22, 2007, 12:10 p.m.

While stopped I see W-5 HOLMES using water from his water tender to extinguish fire along the center medium just southeast of the Kenwood Avenue off ramp, and I make contact with him. He identifies the general area of the fire start (near the metal storage container on Cajon Boulevard just southeast of Kenwood Avenue) as a first account eyewitness. I return to the area W-5 HOLMES describes and secure the area.

October 22, 2007, 12:25 p.m.

I have returned to the general area next to the large metal container and take pictures of an adjacent power pole. I also advise three SCE workers who are standing next to the storage container I will be working in the area, and asked they not do any work until I was finished. They complied and returned outside of the metal gate to their vehicles.

October 22, 2007, 12:30 p.m.

W-6 PAYAN and W-7 SEDANO arrive and provide me information about witness W-8 CAMPBELL. He was near Glen Helen Road and Interstate 15 when he saw the fire starting, so he drove to the area taking photographs. He provided 6 pictures he produced from his vehicle and gave them the W-6 PAYAN. I took the pictures as Evidence (collected at about 12:45 pm)

October 22, 2007, 12:50 p.m.

W-4 GOLDSCHMIDT and I sit in his vehicle and I brief him on all the details I

know up to that point. We then position his vehicle so we can look at Campbell's pictures and relate them to the topography and power poles. While viewing the pictures, I notice a power pole with metal wrap around its base, with its top cross arm center conductor detached from its insulator, and the conductor is swinging freely in the wind. I direct W-4 GOLDSCHMIDT to secure the area, including the access, to the subject power pole.

October 22, 2007, 1:35 p.m.

W-4 GOLDSCHMIDT and I begin to examine the area around the subject pole. The wind is blowing very hard making it unsafe to be on the hillside. I take photographs of the subject power pole and one photo of the firing-out activity with SCE vehicles in the background to the northwest of us. Conditions are too extreme to examine the area and we retreat to wait for better conditions.

October 22, 2007, 2:47 p.m.

SCE W-3 EMERY asks me if we can get somebody to put out the fire on the H-Frame power line support poles on the hilltop east of our location. I have W-4 GOLDSCHMIDT contact operations and request the work. He leaves the area to contact operations, and I take pictures of the power pole.

October 22, 2007, 3:05 p.m.

W-9 HARP arrives at the scene, and I brief him on all the information as I take more photos to show the conductor swaying in the wind and the cross arm moving up and down like a teeter-totter.

October 22, 2007, 3:25 p.m. - 3:28 p.m.:

I video the power pole cross arm and conductor movement while W-9 HARP was in my vehicle; I narrated the video. (2min, 41 second video)

October 22, 2007, 3:30 p.m.

SCE Claims Chris Coker (W-10 COKER) arrives at my vehicle, and I tell him about W-5 HOLMES and W-8 CAMPBELL'S witness statements, and my observations of the power pole with the loose conductor. He advises his supervisor is on the way.

October 22, 2007, 4:10 p.m.

SCE Claims Representative Paul Pimentel (W-11 PIMENTEL) arrives at the scene. I provide him the same information I have given to W-10 COKER, and he asks if he can stand by and observe while I conduct my investigation, and I tell him yes. W-4 GOLDSCHMIDT, W-9 HARP and I, with W-11 PIMENTEL standing in the background, begin a closer examination of the subject power pole and burn indicators surrounding the scene. I take photographs, and we search the scene for physical evidence on the ground.

October 22, 2007, 5:25 p.m.

I release the scene SCE via W-11 PIMENTEL. I advise W-11 PIMENTEL I will be remaining on scene until I can examine the components on the subject power pole.

October 22, 2007, 10:57 p.m.

A contract bulldozer arrives at the scene and plows a road from Cajon Blvd northeast to the H-Frame power pole. Crews begin repairs to the burned pole at approximately 12:45 am on October 22, 2007.

October 23, 2007, 1:10 a.m.

I am contacted by my dispatch center and requested to respond to the "Martin Fire" that was reported at about 1:00 a.m., and located approximately three air miles northeast of the Cajon Fire. I advise dispatch I will respond after repairs are made on the subject pole.

October 23, 2007, 3:00 a.m.

The contract bulldozer pushes a road to the subject power pole keeping to the west, southwest side of the area around the subject pole.

October 23, 2007, 4:05 a.m.

I observe the PAR Electrical Contractors utility vehicle position on the northwest side of the subject power pole, raise two employees to the top cross arm, remove the aluminum tie wire from the top cross arm center conductor, and remove the center insulator from the top cross arm. A new insulator with a clamping-type hold down system was installed in its place and the conductor secured. I photograph the insulator and three sections of aluminum tie wire. I allow W-11 PIMENTAL to keep possession of the removed items, and he tells me the items will be secured at the Rosemead office and available for inspection upon request. I clear the scene at about 4:55 a.m., and one of the PAR employees tells me as I am leaving they are going back up the pole to tighten up the nuts.

October 23, 2007, 8:30 a.m.

While on scene of the Martin Fire I receive a phone call from Pete Marquez, Deputy Chief of Fire Prevention, and I'm advised an investigator from the United States Forest Service (W-12 FRICK) has been assigned to assist with the Cajon Fire Investigation.

October 23, 2007, 12:30 p.m.

US Forest Service Special Agent Stephen Frick (W-12 FRICK) meets me at my office. I provide a review of my findings to him including reviewing photos, video recording and witness statements, and then we return to the Cajon Fire scene.

October 23, 2007, 2:45 p.m.

W-12 FRICK and I arrive at the Cajon Fire Scene. I conduct additional scene examination. W-12 FRICK takes photographs.

October 23, 2007, 4:00 p.m.

While back at the Cajon Fire scene, I call W-11 PIMENTAL'S cell phone and tell him I would like to take possession of the insulator and sections of tie wire in SCE'S possession that had been removed earlier that morning. W-11 PIMENTAL tells me he will make them available for my inspection, but he will not relinquish control of the items to me. I convey this information to Deputy Chief Marquez, and he says he will call W-11 PIMENTAL himself the following day after we meet. W-12 FRICK and I agree to meet back at the scene the following morning to document the fire origin.

October 24, 2007, 9:30 a.m.

W-12 FRICK and I return to the Cajon Fire Scene. FRICK reads burn indicators and places colored flags to mark their location, photographs the area, and makes notes. He will provide a sketch drawing of the fire origin based on the indicators. I photograph his markers, and examine the area looking for additional evidence or other items of interest. We clear the scene at about 12:30 pm

October 24, 2007, 1:30 p.m.

I attend a meeting at the Riverside office with Deputy Chief Pete Marquez, and he calls W-11 PIMENTAL on the telephone and tells him we want the items removed from the subject pole, and the results are the same as with my inquiry.

October 25, 2007, 11:15 a.m.

The San Bernardino County Sheriff's Department provided a helicopter, and I took aerial photos of the subject pole and adjacent area.

October 30, 2007, 2:24 p.m.

I return W-11 PIMENTAL'S phone call and he told me "the circuit trip on the Cajon fire was at 11:28 a.m." He also said he had been out at the site on Friday (10-26) and did not see any evidence of arcing with binoculars. I told him I flew over the subject pole in a helicopter and it did look like arcing had occurred.

November 4, 2007, 9:30 a.m.

I return to the Cajon Fire scene and take detailed photos of the subject power pole upper cross arm, insulators and conductors. I was accompanied by Cal Fire Captain Gary Aguilar, and I complete the examination at about 11:00 a.m.

November 6, 2007, 3:00 p.m.

I return to the Cajon Fire scene and meet W-13 DEATON, W-14 RHODES, and I am accompanied by W-15 LANNON. W-14 RHODES is an electrical engineer and he examines the subject power pole from ground level and takes photographs. He also asks me to take photographs of the ground wire on the underside of the cross arms. While there, W-15 Lannon finds a piece of burned wood and directs me to collect it as evidence. W-14 RHODES says we need to acquire the insulator on the southeast end for examination and get pictures of the conductors. We all clear the scene at about 4:30 p.m.

November 9, 2007, 8:46 a.m.

I received an email from W-6 PAYAN with the digital photos taken by W-8 CAMPBELL. After reviewing the photos close-up on the computer I see an item of interest on the subject conductor. I also note I cannot retrieve the photo properties indicating the time the photos were taken, so I email W-8 CAMPBELL requesting that information.

November 9, 2007, 2:00 p.m.

I return to the Cajon Fire scene to specifically check the conductors between the subject power pole and one pole east/southeast for any discoloration or evidence of contact or arcing and found none. I did locate an additional section of aluminum tie wire similar in appearance to the tie wire removed from the pole. I collected the tie wire as an item of interest after photographing its location on the ground. I was accompanied by Cal Fire Captain Marc DeRosier who was there to assist me if I needed it. He located more aluminum tie wire approximately 250' S/E of the subject power pole, so I collected it as an item of interest. I then took several photographs approximating the same location W-8 CAMPBELL took his photograph near the metal gate. We cleared the scene at about 3:45 pm.

December 9, 2007, 2:45 p.m.

I return to the Cajon Fire scene to take duplicate photographs of a missing nut on the underside of a cross arm on the pole two poles southeast of the subject pole. Cal Fire Captain Terry Acrey and his crew from the Devore fire station accompanied me to assist. We cleared the scene at about 3:40 pm.

December 10, 2007, 12:40 p.m.

I return to the Cajon Fire scene to take additional pictures of the third pole southeast of the subject power pole and photographed two missing nuts from the lower cross arm V-bracket. I cleared the scene at about 1:40 p.m.

December 19, 2007

Case report is completed. The case remains open and additional information and material items will be requested from Southern California Edison. Physical evidence in their possession and any additional physical evidence collected will be examined by technical experts for opinions and conclusions.

Feb 7, 2008 06:30:44 PM

Thank you for using Vaisala's STRIKEnet® to validate the referenced claim. Your report was generated using data from Vaisala's National Lightning Detection Network®, the most comprehensive archive database in North America.

STRIKEnet Report 198271

Report Title: 24 Hour Lightning RPT
Claim Number: BDU11627 / BDU11653
Insured/Claimant Name:
Approx. Claim/Loss Value:
Items Damaged/Loss Type: fire
Claim Address: 18365 Cajon Blvd San Bernardino CA 92407-1503
Search Period: Oct 22, 2007 07:00:00 AM US/Pacific to Oct 23, 2007
06:59:00 AM US/Pacific
Search Radius: 10 mi/16 km around the given location.

Comments: Lightning WAS NOT detected by the National Lightning Detection Network for the given time period and location.

Thank you again for selecting STRIKEnet. If you have any questions please contact us at 1 800 283 4557 or thunderstorm.support@vaisala.com.

Best Regards,
The Vaisala STRIKEnet Team

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Feb 7, 2008 06:30:44 PM

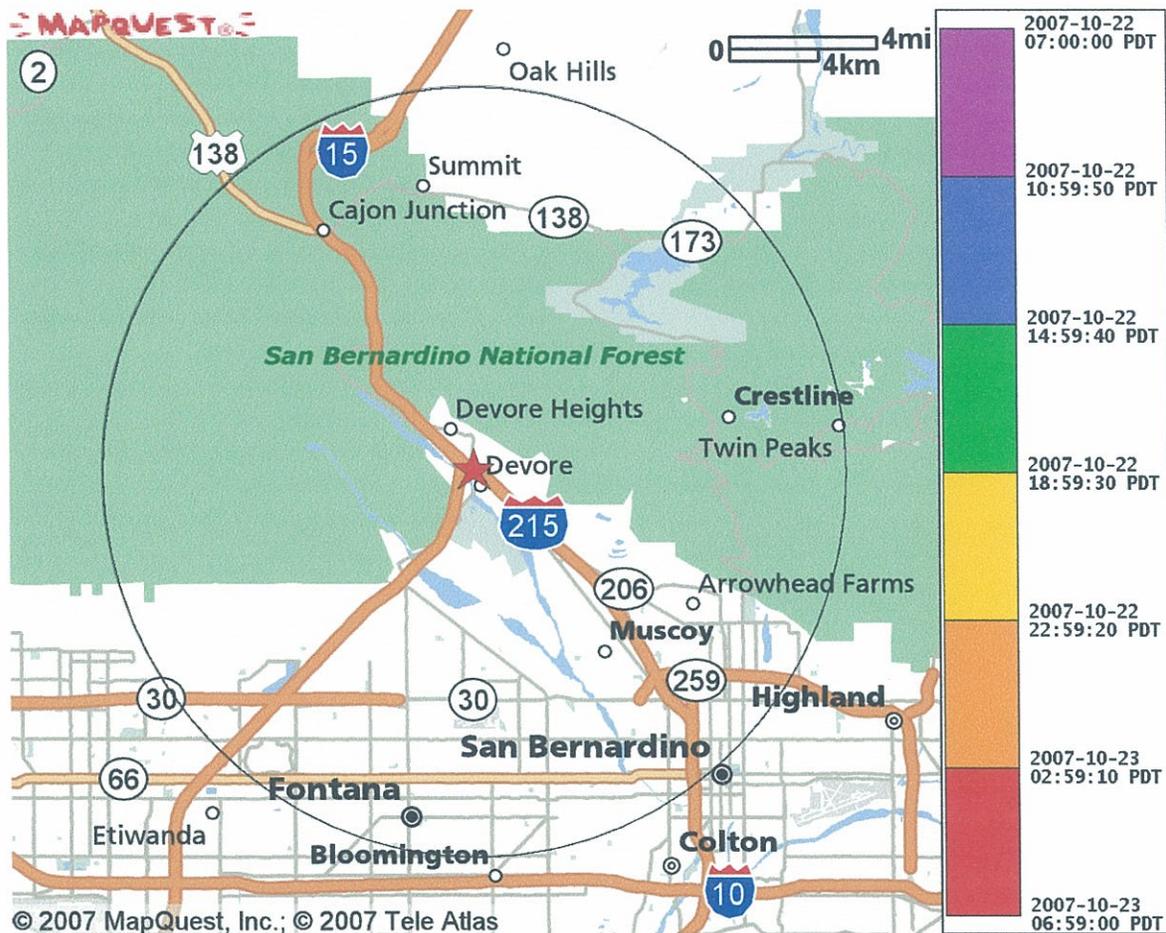
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Page 1

STRIKEnet Report 198271

Report Title: 24 Hour Lightning RPT
Total Lightning Strokes Detected: 0
Lightning Strokes Detected within 10 mi/16 km radius: 0
Lightning Strokes Detected beyond 10 mi/16 km whose confidence ellipse overlaps the radius: 0
Search Radius: 10 mi/16 km
Time Span: Oct 22, 2007 07:00:00 AM US/Pacific to Oct 23, 2007 06:59:00 AM US/Pacific

Location Points For Lightning Strokes



Lightning data provided by Vaisala's NLDN® and/or Environment Canada's CLDN.

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Feb 7, 2008 06:30:44 PM

Page 2

Feb 7, 2008 06:30:44 PM

Thank you for using Vaisala's STRIKE[®]net to validate the referenced claim. Your report was generated using data from Vaisala's National Lightning Detection Network[®], the most comprehensive archive database in North America.

STRIKE[®]net Report 198271

Report Title: 24 Hour Lightning RPT
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Items Damaged/Loss Type: fire
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Search Radius: 10 mi/16 km around the given location.

Comments: Lightning WAS NOT detected by the National Lightning Detection Network for the given time period and location.

Thank you again for selecting STRIKE[®]net. If you have any questions please contact us at 1 800 283 4557 or thunderstorm.support@vaisala.com.

Best Regards,
The Vaisala STRIKE[®]net Team

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