

### **HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST**

**PRIOR TO BEGINNING ANY HELICOPTER LIFT OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:**

- SAFETY BRIEF SIGN IN
- GHI CREW INTRODUCTION
- IS A TRANSLATOR REQUIRED
- WORK STOP AUTHORITY
- DESIGNATE A 911 CALLER
- IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- CREW FATIGUE AND HYDRATION
- HELICOPTER LIFT LIMITATIONS
- HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- EFFECT OF ROTOR DOWN WASH ON LOAD
  - DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE
- HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS PROCEDURES
- POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- SITE PLAN /FLIGHT PATH
- FALL, PINCH, CRUSH DANGER POINTS
- RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- NO CELL PHONES OR CAMERA USED BY GROUND CREW

Lake Hughes CA  
5-13-2019  
24303 pine canyon RD  
145CL4 1250LBS  
NON-CAP



AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
<ul style="list-style-type: none"> <li><input type="checkbox"/> Approach and departure</li> <li><input type="checkbox"/> Main/tail rotor hazards</li> <li><input type="checkbox"/> Safe cargo loading/unloading</li> <li><input type="checkbox"/> Loose articles: - Aircraft &amp; LZ</li> <li><input type="checkbox"/> Hearing protection</li> <li><input type="checkbox"/> Door/seatbelt operation</li> <li><input type="checkbox"/> Headset/helmet/intercom</li> <li><input type="checkbox"/> Air-sickness</li> <li><input type="checkbox"/> In-flight emergencies Establish who will call 911</li> <li><input type="checkbox"/> Location of:               <ul style="list-style-type: none"> <li>o First aid/survival kit</li> <li>o Fire extinguisher</li> <li>o Fuel and battery shut off procedure</li> <li>o Radios, ELT, SAT Phone</li> </ul> </li> <li><input type="checkbox"/> Fueling Operations: - Duties &amp; Safety Issues</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Weather conditions</li> <li><input type="checkbox"/> Wind direction</li> <li><input type="checkbox"/> Fuel</li> <li><input type="checkbox"/> Gross weight</li> <li><input type="checkbox"/> Terrain</li> <li><input type="checkbox"/> Landing zone hazards</li> <li><input type="checkbox"/> Density altitude</li> <li><input type="checkbox"/> Noise abatement</li> <li><input type="checkbox"/> Congested area plan</li> <li><input type="checkbox"/> Traffic/crowd control</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ground crew PPE</li> <li><input type="checkbox"/> Long Line &amp; Rigging Equipment Inspection</li> <li><input type="checkbox"/> Communication: Use of headset for lineman communicating with pilot</li> <li><input type="checkbox"/> <b>Head/Hand Signals</b></li> <li><input type="checkbox"/> Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt</li> <li><input type="checkbox"/> Steps on pole</li> <li><input type="checkbox"/> Remote hook operations</li> <li><input type="checkbox"/> Ground crew hook up procedures</li> <li><input type="checkbox"/> Static discharge</li> <li><input type="checkbox"/> Emergency flyaway procedures</li> <li><input type="checkbox"/> Long line clearance (6'- 25'- 150% rule)</li> <li><input type="checkbox"/> No person under load</li> <li><input type="checkbox"/> Ground crew safety zone</li> <li><input type="checkbox"/> Pole removal with potential snag issues must be discussed</li> <li><input type="checkbox"/> Nylon straps (wood vs. glass)</li> <li><input type="checkbox"/> Load ratings (7:1 minimum)</li> <li><input type="checkbox"/> Dry Run/Play by play pole set Procedures</li> <li><input type="checkbox"/> Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc.</li> <li><input type="checkbox"/> <b>In case of Non-Company ground crew: Rigging procedures must be briefed</b></li> <li><input type="checkbox"/> No cell phone/camera use during external loads</li> <li><input type="checkbox"/> Essential crew only</li> </ul>
	<div style="text-align: center; background-color: #cccccc; padding: 5px;"><b>CRM</b></div> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>COMMUNICATION IS CRITICAL</b></li> <li><input type="checkbox"/> Standardized language</li> <li><input type="checkbox"/> "Code Red" phrases</li> <li><input type="checkbox"/> Sterile cockpit</li> <li><input type="checkbox"/> Flight following/radio procedures</li> <li><input type="checkbox"/> Possible tasks for crew, e.g., switch/tune radios, maps</li> <li><input type="checkbox"/> Hazard awareness, e.g., birds, other hazards</li> <li><input type="checkbox"/> <b>STOP</b> work policy</li> <li><input type="checkbox"/> <b>Re-brief in case scope changes</b></li> <li><input type="checkbox"/> <b><u>IMSAFE Acronym</u></b></li> </ul> <p style="color: red; font-weight: bold; margin-top: 20px;">Pilot fatigue mitigation must be briefed prior to work</p>	





SECTION 7

**Part 135 GH 4A Part 133 GH 4L**  
**Non - Congested Area Plan**  
(Submit in duplicate)

Operator: Guardian Helicopters, Inc  
 16425 Hart Street  
 Van Nuys, CA 91406  
 Phone (818) 442-9904  
 FAX (818) 442-9901

BUILDING NAME: EDISON POLE REPLACEMENT WORK ORDER #: TD 1330129  
 ADDRESS: 24303 PINE CANYON ROAD : LAKE HUGHES CA  
 LZ STAGING AREA LATITUDE 34°43'25.68"N LONGITUDE 118°33'25.04"W ELEVATION 3800 FT  
 709738E LATITUDE 34°43'23.70"N LONGITUDE 118°33'28.40"W ELEVATION 3900 FT  
**ANTELOPE VALLEY HOSPITAL MEDICAL CENTER 1600 WEST AVE J LANCASTER CA LATITUDE 34°41'15.48"N**  
**LONGITUDE 118° 9'35.25"W 661-949-5115**

CONTRACTOR'S NAME: HOT LINE CONSTRUCTION PHONE#: 951-692-8906  
 CONTACT AT SITE: BRENNAN RHODES PHONE #: 951-692-8906

PILOTS:

1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT# 33018828

TYPE OF AIRCRAFT:

- BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED
- BELL UH-1H N# N214KK A/C CATEGORY: RESTRICTED
- BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
- BELL 407 N# N407GH A/C CATEGORY: STANDARD
- AS350 B2 N# N498PT A/C CATEGORY: STANDARD
- AS350 B3 N# N718GH A/C CATEGORY: STANDARD
- AS350 B3 N# N215GH A/C CATEGORY: STANDARD

TYPE OF ITEM LIFTING: POLE  AERODYNAMIC  NON- AERODYNAMIC  
**IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.**

TYPE OF LIFTS: (1) 45' CL 4 1225 LBS

MAX SINGLE - LIFT WEIGHT: 1500 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: 5 LONG LINE: \_\_\_\_\_ (NO) XXX (YES) 100 FT + 45 FT POLE (LENGTH)

WE WILL MAINTAIN A MINIMUM OF THAT SUM AWAY FROM HOMES EDGE OF OPERATING AREA STREET CLOSING: XXX (NO) \_\_\_\_\_ (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
5-13-2019	SUNRISE	SUNSET	5-7-2019
<b>CROWD CONTROL</b>			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
<b>AGENCY NAME:</b>	<b>PHONE#:</b>	<b>PERSON NOTIFIED:</b>	<b>DATE:</b>
POLICE DEPARTMENT	661-948-8466	WATCH COMMANDER	WILL NOTIFY
FIRE DEPARTMENT	661-724-1311	DISPATCH	WILL NOTIFY



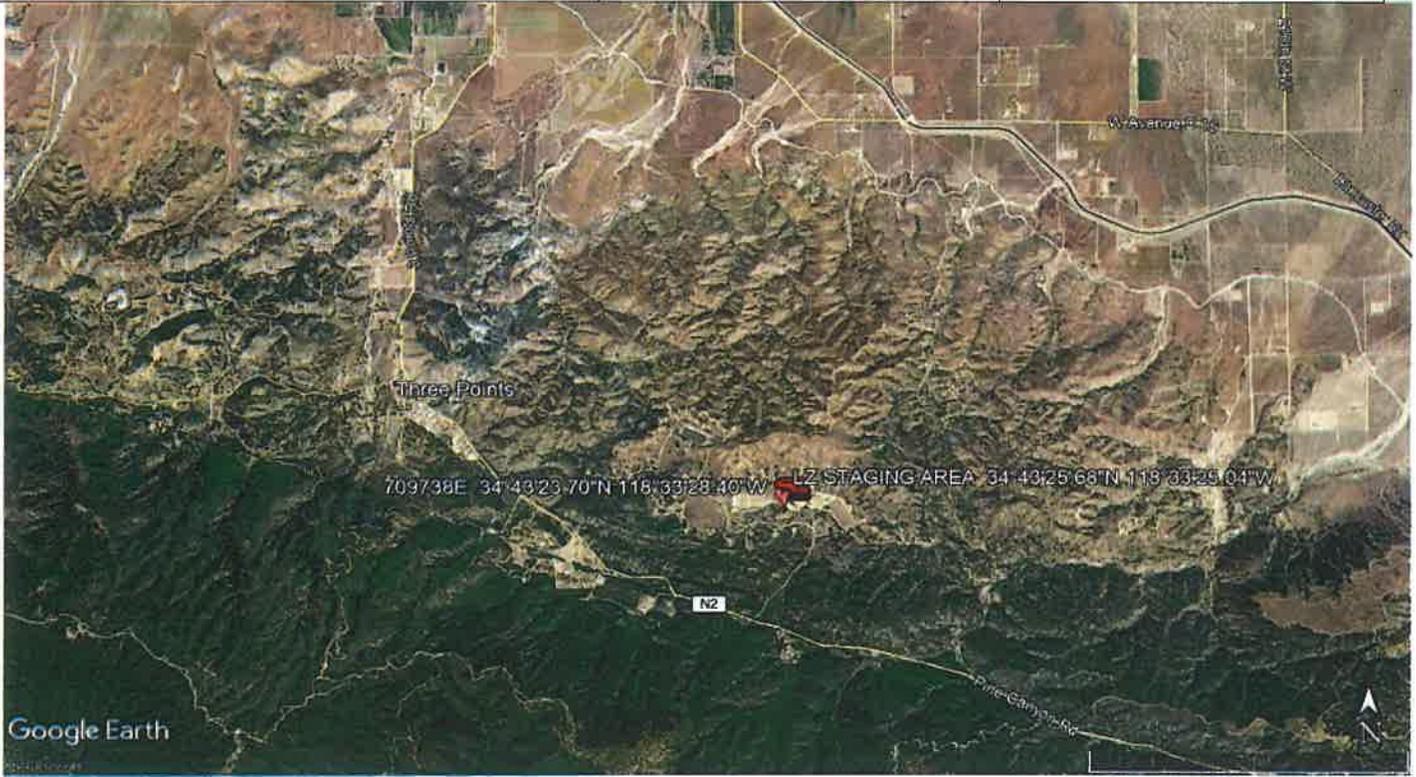
**GUARDIAN**  
**HELICOPTERS, INC.**

NON- Congested Area Plan (Continued)  
(Submit in duplicate)

Operator: Guardian Helicopters, Inc  
16425 Hart Street  
Van Nuys, CA 91406  
Phone (818) 442-9904  
FAX (818) 442-9901

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS  
ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

<b>EVACUATION / NOTIFICATION</b>		
<b>BUILDING DESCRIPTION/ADDRESS</b>	<b>REMARKS</b>	<b>PHONE #:</b>
STRUCTURE NEXT TO LZ	NOTIFY OF OPERATIONS	HAND DELIVER





Congested Area Plan (Continued)  
(Submit in duplicate)

Operator: Guardian Helicopters, Inc  
16425 Hart Street  
Van Nuys, CA 91406

LOAD PENETRATION (FOR OCCUPIED BUILDINGS):

(A) How many floors could the load penetrate if the load were dropped from the highest point to which it will be lifted above the building? 0

(B) What is the maximum height to which the load will be lifted above the building?

N/A Feet

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Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

**SITE INSPECTION NOTES**

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA..

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

**A TAILBOARD SAFETY BRIEF WILL BE HELD AT A PREDETERMINED LOCATION PRIOR TO THE BEGINNING OF HELICOPTER OPERATIONS.**

1. THE HELICOPTER WILL LAND AT THE LZ AND CONNECT THE LONGLINE. **A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED**
2. THE HELICOPTER WILL LIFT THE POLE FROM THE STAGING AREA
3. THE HELICOPTER WILL NOT FLY OVER ANY OCCUPIED BUILDINGS OR CROSS ANY STREETS
4. EMERGENCY LANDING AREA IS ALONG THE FLIGHT PATH AND AT STAGING AREA
5. THE AREA OF OPERATIONS IS GREATER THEN 500 FT FROM ANY HOMES ,PEDESTRIANS AND STREETS
- 6 NO HAZMAT WILL BE CARRIED ON THE HELICOPTER LONGLINE
7. A WATER TRUCK WILL BE REQUIRED AT THE STAGING AREA
8. PROPERTY OWNER WILL BE NOTIFIED OF POLE REPLACEMENT

**OFFICIAL'S NAME:** JEFFREY TEUBNER

**PHONE #:** 818-442-9904 OFFICE 818-621-3794 CELL

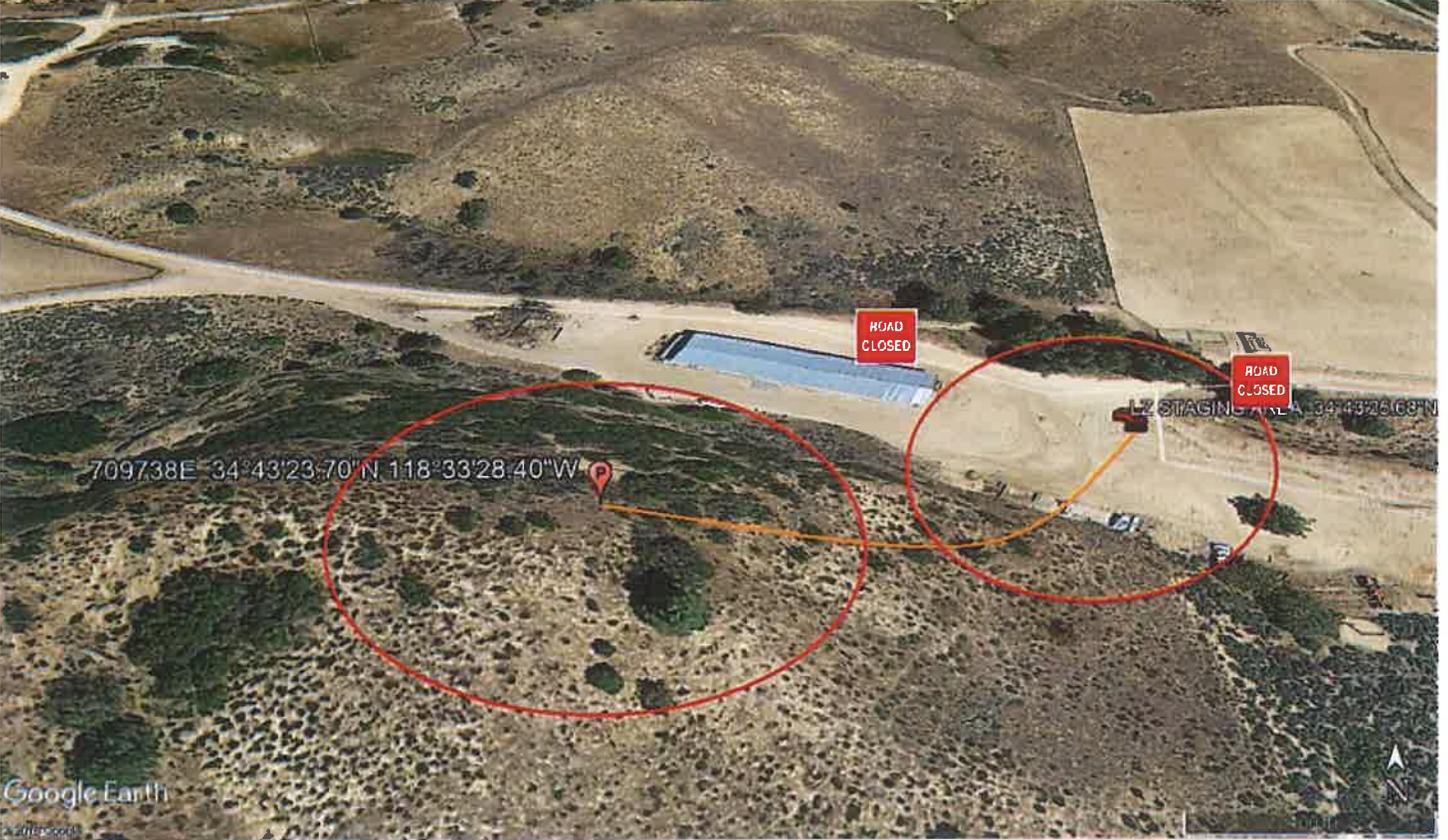
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**GUARDIAN**  
HELICOPTERS, INC.

Part 135 GH 4A Part 133 GH 4L  
OPERATIONS AREA DIAGRAM







**LEGEND**

**SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH**

LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (E)	
UNOCCUPIED BUILDING = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

5-7-2019

DATE OF SUBMISSION

*Jeffrey M. Jantma*

COMPANY OFFICIAL / TITLE

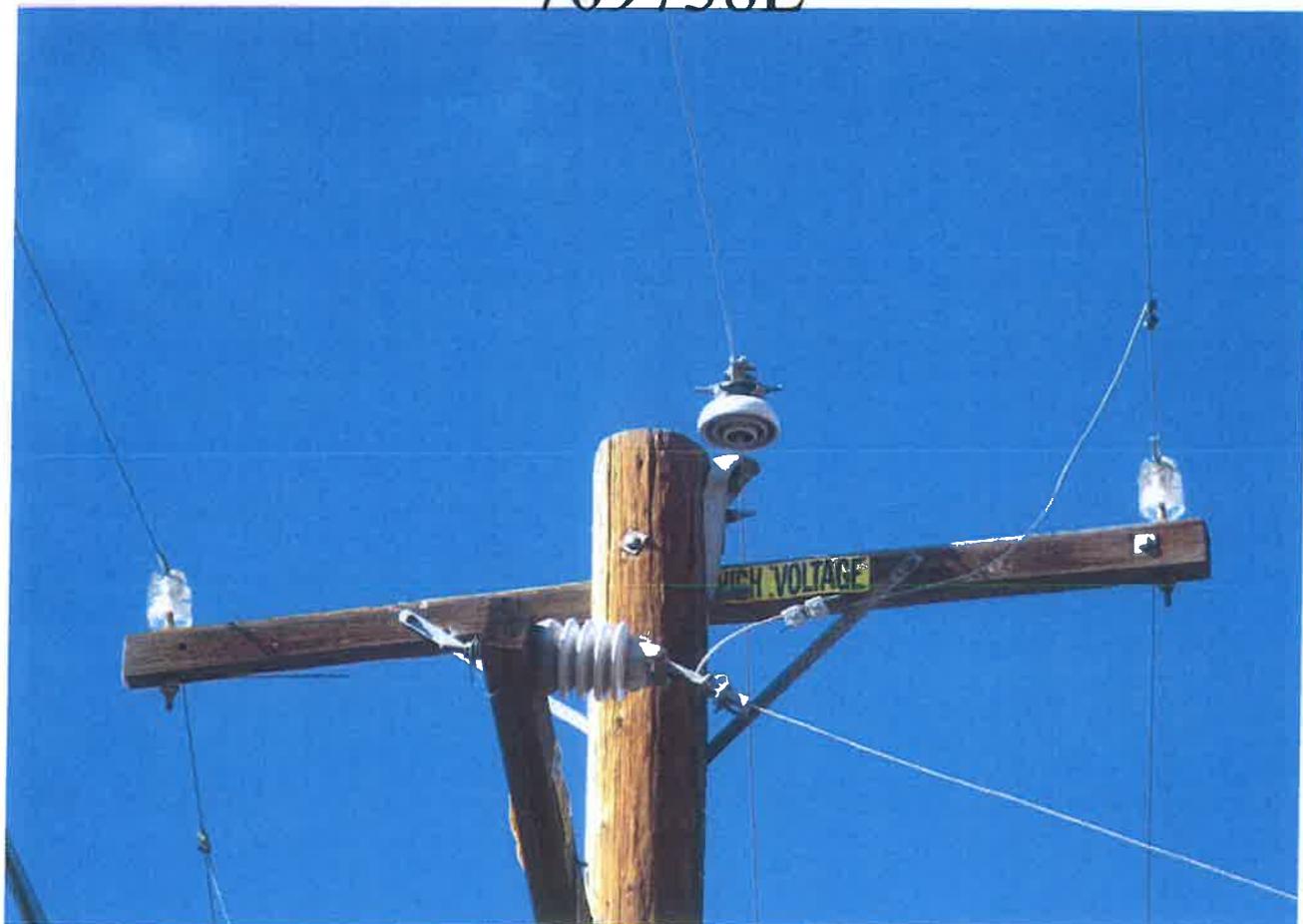




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