

# NATIONAL TRANSPORTATION SAFETY BOARD

## NTSB Form 6120.1

### PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

The pilot/operator aircraft accident/incident report may be filed by mailing in this form, per instructions on the last page. Copies of this form may be obtained from the NTSB Web site <<http://www.nts.gov>>, the National Transportation Safety Board Regional Offices, and the Federal Aviation Administration Flight Standards District Offices.

Rules pertaining to aircraft accidents/incidents, overdue aircraft, and safety issues are contained in Part 830 of the National Transportation Safety Board's Regulations, 49CFR. These rules state the authority of the Board, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification by aircraft pilots/operators.

#### A. APPLICABILITY

The pilot/operator of an aircraft shall file a report with the Regional Office of the National Transportation Safety Board nearest the accident or incident for which immediate notification is required by section 830.5(a). **The report shall be filed within ten (10) days after an accident for which notification is required by Section 830.5 or when, after seven (7) days, an overdue aircraft is still missing.** An aircraft accident, as defined in 49CFR 830.2, is determined as an occurrence that involves a fatality, serious injury, or substantial damage. For occurrences that do not involve a fatality, the determination that the occurrence is an accident can be appealed by writing to the Director, Office of Aviation Safety, National Transportation Safety Board, 490 L'Enfant Plaza, S.W., Washington, D.C. 20594.

The Pilot/Operator Aircraft Accident/Incident Report Form is used in determining the facts, conditions, and circumstances for aircraft accident prevention activities and for statistical purposes. It is necessary that **ALL** questions be answered completely and accurately to serve the above purposes.

### INSTRUCTIONS TO PILOTS/OPERATORS FOR COMPLETING THIS FORM

**It is necessary that ALL questions on this report be answered completely and accurately.**  
**If more space is needed, continue on a blank sheet.**

**Nearest City/Place:** Use the name of the nearest community that has a Post Office in the state where the accident/incident occurred.

**Date & Time:** Indicate the date and local time of the event. Be sure to indicate the time zone.

**Phase of Operation:** Indicate the phase of operation during which the accident/incident occurred.

**Aircraft Information:** Enter aircraft make and model information as indicated on the aircraft registration certificate, including series. If the involved aircraft is certified as "amateur-built," include the name of manufacturer of the kit or plans when appropriate.

**Max Gross Weight:** Enter the certificated max gross weight for the aircraft involved in the occurrence. This should be the same as the maximum gross weight indicated on the aircraft weight and balance documents.

**Airworthiness Certificate:** For light sport aircraft, if aircraft certificated as "Light Sport - Experimental", check both the "Light Sport" and "Experimental" check boxes.

**Type of Fire Extinguishing System:** If a fire extinguishing system was used to fight an aircraft fire, specify the type(s) of extinguishing system(s) used. Examples include handheld extinguisher, engine fire bottle,

#### B. DEFINITIONS

1. "Aircraft Accident" means an occurrence associated with the operation of an aircraft that takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death, or serious injury, or in which the aircraft receives substantial damage. For purposes of this form, the definition of "aircraft accident" includes "unmanned aircraft accident," as defined at 49 C.F.R. 830.2.

2. "Substantial Damage" means damage or failure which adversely affects the structural strength, performance or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component. NOTE: Engine failure or damage limited to an engine if only one engine fails or is damaged, bent fairing or cowling, dented skin, small puncture holes in the skin or fabric, ground damage to rotor or propeller blades, and damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wing tips are not considered "substantial damage" for purposes of this report.

3. "Operator" means any person who causes or authorizes the operation of an aircraft, such as the owner, lessee, or bailee of an aircraft.

4. "Fatal Injury" means any injury that results in death within thirty (30) days of the accident.

5. "Serious Injury" means any injury that (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; (2) results in a fracture of any bone (except simple fracture of fingers, toes, or nose); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves injury to any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

cargo/baggage compartment fire suppression system, or airport emergency ground equipment.

**Engine:** Enter engine make and model information as indicated on the engine data plate.

**Owner/Operator Information:** Enter the owner information as shown on the registration certificate. Commercial operators, enter the operator information, including "Doing Business as" when applicable, as shown on the operator certificate.

**Revenue Sightseeing Flight:** Indicate whether the accident aircraft was conducting **revenue** sightseeing operations under FAR Part 91 at the time of the accident.

**Public Use:** Federal, state or local government flight operations such as official travel, law-enforcement, low-level observation, aerial application, firefighting, search and rescue, biological or geological resource management, or aeronautical research. Military operations should not be included under public use. If public use, also indicate whether the flight was conducted by Federal, State, or Local government.

**Air Medical Flight:** Indicate whether accident flight was being conducted for the purpose of carrying medical personnel, patient(s), or organs.

**Purpose of Flight (FAR 91, 103, 133, 137):** Indicate the type of operation that was being conducted at the time of the occurrence using the following definitions:

**PERSONAL**—Flying for personal reasons (excludes business transportation) including pleasure or personal transportation. This also includes practice or proficiency flights performed under flight instructor supervision and not part of an approved flight training program.

**BUSINESS**—Includes all personal flying **without** a paid, professional crew for reasons associated with furthering a business, including transportation to and from business meetings or work. This does not include corporate/executive operations, air taxi, or commuter operations.

**EXECUTIVE/CORPORATE**—Company flying **with** a paid, professional crew.

**OTHER WORK USE**—Miscellaneous flight operations conducted for compensation or hire such as construction work (not FAR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.

**INSTRUCTIONAL**—Flying while under the supervision of a flight instructor or receiving air carrier training. Personal proficiency flight operations and personal flight reviews, as required by federal air regulations, are excluded.

**FERRY**—Non-revenue flight under a special flight or "ferry" permit. Refer to 14 CFR 21.197 for details of special flight permit issuance.

**POSITIONING**—Non-revenue flight conducted for the primary purpose of moving the aircraft to a maintenance facility or to load passengers or cargo, etc.

**AERIAL APPLICATION**—Operations using an aircraft to perform aerial application or dispersion of any substance. Examples include agricultural, health, forestry, cloud seeding, firefighting, insect control, etc.

**AERIAL OBSERVATION**—Aerial mapping/photography, patrol, search and rescue, hunting, highway traffic advisory, ranching, surveillance, oil and mineral exploration, criminal pursuit, fish spotting, etc.

**AIR DROP**—Aerial operations, other than aerial application, that are intended to release items in flight.

**AIR RACE/SHOW**—Includes any flight operations conducted as part of an organized air race or public demonstration.

**FLIGHT TEST**—Flight for the purpose of investigating the flight characteristics of an aircraft/aircraft component, or evaluating an applicant for a pilot certificate or rating.

**PUBLIC USE**—See definition above.

**UNKNOWN**—Use only if the primary purpose of flight is not known.

**Other Aircraft – Collision:** For all accidents involving a collision with another aircraft, including parked aircraft, check "Collision with other aircraft" under Basic Information and complete this section indicating details about the OTHER aircraft involved in the collision.

**Airport Information:** Complete this section if the accident/incident occurred on approach, takeoff, or within 3 miles of an airport. Please refer to the FAA Airport/Facility Directory or other official source for airport information.

**Airport Identification:** Provide the official 3 or 4 character airport identifier.

**Runway:** Indicate the number of the runway used, including L, R, or C if applicable.

**Runway/Landing Surface:** Indicate the type of intended runway/landing surface (do not indicate surface conditions). If the surface type was mixed, check all that apply.

**Condition of Runway/Landing Surface:** Indicate the condition of the intended runway/landing surface. If multiple conditions existed at the time of the accident, check all that apply.

**Weather Information at the Accident/Incident Site:** Indicate the weather conditions reported at the accident/incident site at the time of occurrence. If no weather reporting was available for the accident/incident site, indicate the reported conditions at the nearest reporting site. Specify the weather reporting site identifier, the observation time, and distance from the accident/incident site.

**Sky/Lowest Cloud Condition:** Indicate the height above ground level of the lowest cloud condition present at the time of the accident and whether coverage was reported as few, scattered, broken or overcast. Also indicate the height above ground level and coverage of the lowest cloud ceiling present at the time of the accident (reported as broken or overcast).

**NOTAMS ((D), (L) and FDC), AIRMETs, SIGMETs, PIREPs:** Describe all NOTAMS, AIRMETs, SIGMETs, PIREPs in effect near the accident/incident. For NOTAMS, state if they were distant (D), local (L), or Flight Data Center (FDC), if known.

**Pilot Information:** Indicate the category that best describes the capacity served by this flight crewmember at the time of the accident. The designators "Pilot A" and "Pilot B" do not refer to a specific pilot position or responsibility. If more than one pilot is aboard, they may be entered in any order and their capacity entered as appropriate.

**Degree of Injury:** See Definitions on the top half of Page 1 of the Instructions. Minor injury is not defined. If an injury does not meet the criteria for another injury category, select Minor.

**Date of Last Flight Review or Equivalent:** Enter the date of the most recent flight review, or equivalent, completed by this pilot. Refer to 14 CFR 61.56 for accepted equivalents.

**Type Ratings:** List all type ratings on the pilot certificate. If the pilot holds no type ratings indicate "none". If the pilot holds a pilot certificate other than student, and was flying an aircraft requiring an endorsement enter the type and date of any logbook endorsement(s) for that aircraft. See 14 CFR 61 for examples of required endorsements.

**Student Endorsements:** If the pilot holds a student pilot certificate, enter all solo endorsements and dates on the student pilot certificate.

**Flight Time:** Complete the flight time matrix. Solo flight time should be included as "Pilot-in-Command (PIC)" and all dual flight instruction given should be included as "Time as Instructor".

**Additional Flight Crew Members:** Complete this section if there were more than two required flight crew members on the aircraft. This also includes a check airman performing official duties, but does not include cabin crew. State the capacity served by each included crewmember at the time of the accident.

**Passenger(s)/Other Personnel:** Please enter identification and injury severity information for all passengers and other personnel involved in the accident. See page 1 of the instructions for the official definition of injury levels. Occupants are considered "Revenue" passengers if they were being carried for compensation or hire. The option "FAA" refers to any FAA personnel performing a flight related function, including flight check, airman practical test, etc.

Several questions throughout the form allow for multiple responses; when appropriate choose all responses that apply.

**These instructions only pertain to major issue areas covered by the NTSB Form 6120.1 Pilot/Operator Aircraft Accident/Incident Report. For additional definitions of questions and responses, please refer to <<http://www.nts.gov>>.**

# NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

**This form to be used for reporting civil and public use aircraft accidents and incidents**

## BASIC INFORMATION

### Accident/Incident Location

Nearest City/Place: La Junta State: CO  
 ZIP: 81050 Country: USA  
 Latitude: 37.96N (dd:mm:ss N/S) Longitude: 37.96N (ddd:mm:ss E/W)

### Date/Time

Date: 05/27/2013 Local Time: 12:00 PM  
 mm/dd/yyyy Time Zone: MST

### Phase of Operation

☐ Standing ☐ Takeoff (incl. initial climb) ☒ Cruise ☐ Hover  
☐ Taxi ☐ Climb ☐ Maneuvering ☐ Other  
☐ Descent ☐ Landing ☐ Approach ☐ Unknown

### Collision with Other Aircraft

☐ Midair  
☐ On-ground  
☒ None

### Altitude of In-Flight Occurrence

4,250 ft MSL

## AIRCRAFT INFORMATION

Manufacturer: BELL HELICOPTER TEXTRON

Model: 206L-1

Serial Number: 45334

Registration Number: N20Z Amateur-built: ☐ Yes ☒ No

Max Gross Weight: 4,150 lbs

Weight at Time of Accident/Incident: 3,800 lbs

Location of Center of Gravity at Time of Accident/Incident:

122.5 inches from ☐ nose or ☒ datum  
 -or- Percent Mean Aerodynamic Cord (% MAC)

### Category of Aircraft

☐ Airplane  
☐ Balloon  
☐ Blimp/Dirigible  
☐ Glider  
☐ Gyrocraft  
☒ Helicopter  
☐ Powered lift  
☐ Ultralight  
☐ Unknown

### Type of Airworthiness Certificate (Check all that apply)

**Standard** **Special**  
☒ Normal ☐ Restricted  
☐ Utility ☐ Limited  
☐ Acrobatic ☐ Provisional  
☐ Transport ☐ Experimental  
☐ Special Flight  
☐ Light Sport

Number of Seats: 7

If Large Aircraft, how many seats for:

Flight Crew: 2

Cabin Crew: \_\_\_\_\_

Passengers: 5

Landing Gear ☐ Retractable

Check any additional landing gear configuration that applies:

☐ Tricycle ☐ Tailwheel  
☐ Amphibian ☒ High Skid  
☐ Emergency Float ☐ Skid  
☐ Float ☐ Ski  
☐ Hull ☐ Ski/Wheel  
☐ Unknown

### Type of Maintenance Program

☒ Annual  
☐ Conditional (Amateur-built only)  
☐ Manufacturer's Inspection Program  
☐ Other Approved Inspection Program (AAIP)  
☐ Continuous Airworthiness  
☐ Other, specify: 100 Hour

### Last Inspection Type

☒ 100 Hour ☐ Continuous Airworthiness  
☐ AAIP ☐ Conditional Inspection  
☐ Annual ☐ Unknown

Date Last Inspection: 04/26/2013  
 mm/dd/yyyy

Airframe Total Time: 13,894 hrs  
 hours measured at (check one)  
☐ Last Inspection ☒ Time of Accident/Incident

### IFR Equipped

☐ Yes ☒ No ☐ Unknown

### Stall Warning System Installed

☐ Yes ☒ No ☐ Unknown

### Type of Fire Extinguishing System

☒ None  
☐ Specify \_\_\_\_\_

### ELT Installed

☐ Yes ☒ No

### ELT Activated

☐ Yes ☒ No

ELT Manufacturer: \_\_\_\_\_

Model/Series: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Battery Type: \_\_\_\_\_ Battery Exp. Date: \_\_\_\_\_

### Engine Type

☐ Reciprocating ☐ Turbo Jet  
☐ Turbo Shaft ☐ Turbo Fan  
☐ Turbo Prop ☐ Unknown

### Reciprocating Fuel System Type

☐ Carburetor  
☐ Fuel Injected

### Propeller

☐ Fixed Pitch  
☐ Controllable Pitch

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

| Engine | Engine Manufacturer | Engine Model/Series | Manufacturer's Serial Number | Date of Mfg.<br>mm/dd/yyyy | Engine Rated Power Measured as (check one)<br><input type="checkbox"/> Horsepower or <input checked="" type="checkbox"/> lbs of Thrust | Total Time (hours) | Time Since Inspection (hours) | Time Since Overhaul (hours) |
|--------|---------------------|---------------------|------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|-----------------------------|
| Eng. 1 | ALLISON             | 250-C30P            | CAE-896-004                  | 07/05/2005                 | 650 SHP derated 435                                                                                                                    | 3,857              | 26                            | 1,826                       |
| Eng. 2 | <b>NONE</b>         |                     |                              |                            |                                                                                                                                        |                    |                               |                             |
| Eng. 3 |                     |                     |                              |                            |                                                                                                                                        |                    |                               |                             |
| Eng. 4 |                     |                     |                              |                            |                                                                                                                                        |                    |                               |                             |

| OWNER/OPERATOR INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Registered Aircraft Owner</b><br>Name: <u>HELICOPTERS INC</u><br>Fractional Ownership Aircraft: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                              | <b>Owner Address</b><br>City: <u>CAHOKIA</u><br>State: <u>IL</u> ZIP: <u>62206-1469</u><br>Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                 |
| <b>Operator of Aircraft</b> <input type="checkbox"/> Same As Registered Owner<br>Name: <u>Corporate Aircraft Services</u><br>Doing Business As: <u>Oasis Services</u><br>Air Carrier/Operator Designator (4 Character Code): _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                              | <b>Operator Address</b> <input type="checkbox"/> Same As Registered Owner<br>City: <u>Peachtree City</u><br>State: <u>GA</u> ZIP: <u>30269</u><br>Country: <u>USA</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                 |
| <b>Regulation Flight Conducted Under</b><br><input checked="" type="checkbox"/> FAR 91 <input type="checkbox"/> FAR 129 <input type="checkbox"/> FAR 91 Special Flight <input type="checkbox"/> Public Use (select type)<br><input type="checkbox"/> FAR 103 <input type="checkbox"/> FAR 133 <input type="checkbox"/> Non-US, Commercial <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Local<br><input type="checkbox"/> FAR 121 <input type="checkbox"/> FAR 135 <input type="checkbox"/> Non-US, Non-commercial <input type="checkbox"/> Unknown<br><input type="checkbox"/> FAR 125 <input type="checkbox"/> FAR 137 <input type="checkbox"/> Armed Forces |                                                                                                                                                                                                                                                                                              | <b>Revenue Sightseeing Flight</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><b>Air Medical Flight</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                 |
| <b>Purpose of Flight for FAR 91, 103, 133, 137 (Select one)</b><br><input type="checkbox"/> Personal<br><input type="checkbox"/> Business<br><input type="checkbox"/> Executive/Corporate<br><input type="checkbox"/> Other Work Use<br><input type="checkbox"/> Instructional<br><input type="checkbox"/> Ferry<br><input type="checkbox"/> Positioning<br><input type="checkbox"/> Aerial Application<br><input checked="" type="checkbox"/> Aerial Observation<br><input type="checkbox"/> Air Drop<br><input type="checkbox"/> Air Race / Show<br><input type="checkbox"/> Flight Test<br><input type="checkbox"/> Public Use<br><input type="checkbox"/> Unknown                                     | <b>Revenue Operation for FAR 121, 125, 129, 135 (Select one)</b><br><input type="checkbox"/> Scheduled or Commuter<br><input type="checkbox"/> Non-Scheduled or Air Taxi<br><br><b>Domestic or International</b><br><input type="checkbox"/> Domestic <input type="checkbox"/> International | <b>Type of Commercial Operating Certificate Held (Check all that apply)</b><br><input checked="" type="checkbox"/> None<br><input type="checkbox"/> Flag Carrier Operating Certificate (121)<br><input type="checkbox"/> Supplemental<br><input type="checkbox"/> Air Cargo<br><input type="checkbox"/> Foreign Air Carriers (129)<br><input type="checkbox"/> Commuter Air Carrier (135)<br><input type="checkbox"/> On-Demand Air Taxi (135)<br><input type="checkbox"/> Large Helicopter (127)<br><input type="checkbox"/> Rotorcraft External Load (133)<br>- or -<br><input type="checkbox"/> Agricultural Aircraft (137)<br><input type="checkbox"/> Other Operator of Large Aircraft |                                                                                                                                                 |
| OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 |
| Aircraft Registration Number<br><u>NONE</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Manufacturer: _____<br>Model: _____                                                                                                                                                                                                                                                          | <b>Damage to Other Aircraft</b><br><input type="checkbox"/> Destroyed <input type="checkbox"/> Minor<br><input type="checkbox"/> Substantial <input type="checkbox"/> None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                 |
| <b>Registered Owner of Other Aircraft</b><br>First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 |
| <b>Pilot of Other Aircraft</b><br>First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 |
| MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 |
| <b>Was there Mechanical Malfunction/Failure?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown<br><i>(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)</i><br><br><br><br>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Total Time/Cycles On Part</b><br>_____<br>Hours<br>_____<br>Cycles<br><br><b>Time Since This Part Inspected/Overhauled</b><br>_____<br>Hours |
| DAMAGE TO AIRCRAFT AND OTHER PROPERTY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                 |
| <b>Aircraft Damage</b><br><input type="checkbox"/> None <input type="checkbox"/> Substantial<br><input type="checkbox"/> Minor <input checked="" type="checkbox"/> Destroyed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Aircraft Fire</b><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Both Ground and In-Flight<br><input type="checkbox"/> In-Flight <input type="checkbox"/> Unknown Origin<br><input type="checkbox"/> On-Ground                                                      | <b>Aircraft Explosion</b><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Both Ground and In-Flight<br><input type="checkbox"/> In-Flight <input type="checkbox"/> Unknown Origin<br><input type="checkbox"/> On-Ground                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                 |

**Description of Damage to Aircraft and Other Property** (use additional sheet if necessary)

Pictures are available. The cabin area and crew area are not compromised, however, the rotor blades, main rotor shaft and other moving components appear to be in bad shape. The tail rotor appears to have been stopped prior to impact since one blade is very damaged and the other is not damaged at all. The Tail boom was certainly destroyed as it was cut in two pieces by what appears to be the main blade. The pictures sent to Oasis Services will tell the story much better

NOTHING  
FOLLOWS

**AIRPORT INFORMATION** (If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)

**Airport Identifier:** \_\_\_\_\_ **Distance From Airport Center:** \_\_\_\_\_ SM  
**Airport Name:** \_\_\_\_\_ **Direction From Airport:** \_\_\_\_\_ degrees MAG  
**Proximity to Airport** ☐ Off Airport/Airstrip ☐ On Airport ☐ On Airstrip **Airport Elevation:** \_\_\_\_\_ ft. MSL

**Approach Segment** (Select one)

☐ On Instrument Approach ☐ Landing ☐ Base leg ☐ Final ☐ Go Around  
☐ Crosswind ☐ Downwind ☐ Low Approach ☐ Aborted Landing (after touchdown)

**IFR Approach** (Check all that apply)

☐ None ☐ PAR ☐ MLS ☐ Practice  
☐ ADF/NDB ☐ Sidestep ☐ LDA ☐ GPS  
☐ SDF ☐ ILS ☐ ASR ☐ Loran  
☐ VOR/TVOR ☐ Localizer Only ☐ Visual ☐ Unknown  
☐ VOR/DME ☐ LOC-back course ☐ Contact  
☐ TACAN ☐ RNAV ☐ Circling

**VFR Approach** (Check all that apply)

☐ None ☐ Stop and Go  
☐ Traffic Pattern ☐ Touch and Go  
☐ Straight-In ☐ Simulated Forced Landing  
☐ Valley/Terrain Following ☐ Forced Landing  
☐ Go Around ☐ Precautionary Landing  
☐ Full Stop ☐ Unknown

**Runway Information**

Runway ID: \_\_\_\_\_ (L/R/C) Length: \_\_\_\_\_ ft Width: \_\_\_\_\_ ft

**Runway/Landing Surface** (Check all that apply)

☐ Asphalt ☐ Grass/Turf ☐ Macadam ☐ Water  
☐ Concrete ☐ Gravel ☐ Metal/Wood ☐ Unknown  
☐ Dirt ☐ Ice ☐ Snow

**Condition of Runway/Landing Surface** (Check all that apply)

☐ Dry ☐ Snow-Compacted ☐ Water-Calm  
☐ Holes ☐ Snow-Crusted ☐ Water-Choppy  
☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy  
☐ Rough ☐ Snow-Wet ☐ Wet  
☐ Rubber Deposits ☐ Soft ☐ Unknown  
☐ Slush Covered ☐ Vegetation

**FLIGHT ITINERARY INFORMATION****Last Departure Point**

Airport ID: KLHX  
City: La Junta  
State: CO  
Country: USA

**Time of Departure**

Time: 1145 AM  
Time Zone: MST

**Destination**

Airport ID: KLHX  
City: La Junta  
State: CO  
Country: USA

**Type Flight Plan Filed**

☐ None ☐ VFR/IFR  
☒ Company VFR ☐ IFR  
☐ Military VFR ☐ Unknown  
☐ VFR  
Activated? ☒ Yes ☐ No

**Type of ATC Clearance/Service** (Check all that apply)

☒ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise  
☐ VFR ☐ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA

**Airspace where the accident/incident occurred** (Check all that apply)

☐ Class A ☐ Class E ☐ Prohibited Area ☐ Jet Training Area ☐ Special  
☐ Class B ☒ Class G ☐ Restricted Area ☐ TRSA ☐ Air Traffic Control Area  
☐ Class C ☐ Demo Area ☐ Military Operations Area (MOA) ☐ FAR 93 ☐ Unknown  
☐ Class D ☐ Warning Area ☐ Airport Advisory Area

**Aircraft Load Description** (Check all that apply)

☐ None ☐ Towing Glider ☐ Parachutists ☐ Livestock  
☒ Passengers ☐ Towing Banner ☐ Water ☐ Unknown  
☐ Cargo ☐ Other External ☐ Chemical/Fertilizer/Seeds

**FUEL & SERVICES INFORMATION****Fuel on Board at Last Takeoff**  
(convert from pounds, as necessary)

61 Gallons

**Fuel Type**

☐ 80/87 ☐ 115/145 ☐ JP3 ☐ Other, specify \_\_\_\_\_  
☐ 100 Low Lead ☒ Jet A ☐ JP4  
☐ 100/130 ☐ Automotive ☐ JP5

**Other Services, if Any, Prior to Departure**

NONE

**EVACUATION OF AIRCRAFT**Was an emergency evacuation of the aircraft performed? ☒ Yes ☐ No

Method of Exit – Describe how the occupants exited and how many occupants evacuated each location

(1) Pilot and (1) Passenger - Left front window

(1) Rear forward facing Passenger - Rear Right Door

NOTHING FOLLOW

**WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE****Weather Observation Facility**Facility ID: KLHXObservation Time: 1153Time Zone: MSTDistance from Accident Site: 7 NMDirection from Accident Site: 160 degrees MAG**Source of Weather Information**

(Check all that apply)

☒ National Weather Service☐ Flight Service Station☐ TV/Radio☐ Automated Report☐ Commercial Weather Service (DUATS)☐ Company☐ Military☒ Internet☐ Unknown**Method of Briefing**

(Check all that apply)

☐ In Person☐ Teletype☒ Telephone/Computer☐ Aircraft Radio☐ TV/Radio☐ Unknown**Briefing Type/Completeness**☐ Full☐ Partial / Limited By Pilot☐ Partial / Limited By Briefer☐ Abbreviated☐ Unknown☒ Not Pertinent**Light Condition**☐ Dawn☒ Day☐ Dusk☐ Night☐ Dark Night☐ Bright Night☐ Not Reported**Visibility**10 miles**Sky/Lowest Cloud Condition**☒ Clear☐ Few☐ Partial Obscuration☐ Scattered☐ Thin Broken☐ Thin Overcast☐ Unknown**Ceiling**☒ None (clear)☐ Broken☐ Overcast☐ Obscured☐ Indefinite☐ Unknown**Restriction to Visibility (Check all that apply)**☒ None☐ Blowing Dust☐ Blowing Sand☐ Blowing Snow☐ Blowing Spray☐ Dust☐ Fog☐ Ground Fog☐ Haze☐ Ice Fog☐ Smoke☐ Unknown**Lowest Cloud Condition Height**         ft AGL**Ceiling Height**         ft AGL**Wind Direction**☒ Indicated:320 degrees MAG☐ Variable**Wind Speed**Velocity: 11 KTS

-or-

☐ Calm☐ Light and Variable**Wind Gusts**Velocity: 16 KTS☒ Gusting☐ Not Gusting**Type of Turbulence (Check all that apply)**☐ None☐ Clear Air☐ In Clouds☐ Vicinity of Thunderstorm**Severity of Turbulence**☐ Extreme☐ Severe☐ Moderate☐ Moderate Chop☐ Light**NOTAMs (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident**

None

Temperature: 24 (C)  
or          (F)Altimeter Setting: 29.91 in. HG  
or          MBDensity Altitude: 6,315 ftDew Point: 0 (C)  
or          (F)**Icing Forecast**

Amount

☒ None☐ Trace☐ Light☐ Moderate☐ Severe

Type

☐ Rime☐ Clear☐ Mixed**Icing Actual**

Amount

☒ None☐ Trace☐ Light☐ Moderate☐ Severe

Type

☐ Rime☐ Clear☐ Mixed**Type of Precipitation (Check all that apply)**☒ None☐ Rain☐ Snow☐ Hail☐ Rain Showers☐ Freezing Rain☐ Snow Shower☐ Drizzle☐ Ice Pellets☐ Snow Pellets☐ Snow Grains☐ Ice Crystals☐ Ice Pellets Shower☐ Freezing Drizzle**Intensity of Precipitation**☐ Light☐ Moderate☐ Heavy

**PILOT "A" INFORMATION****Pilot "A" Responsibilities at the Time of Accident/Incident**

☒ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew

**Pilot "A" Identification**

First Name: Glenn City: Round Rock  
Middle Initial: C State: TX ZIP: 78665  
Last Name: Elkins II Country: USA  
Age at time of Accident/Incident: 47 Date of Birth: mm/dd/yyyy Certificate Number: mm/dd/yyyy 

**Degree of Injury**

☒ None ☐ Fatal  
☐ Minor ☐ Unknown  
☐ Serious

**Seat Occupied**

☐ Left ☒ Front ☐ Unknown  
☒ Right ☐ Rear  
☐ Center ☐ Single

**Seat Belt**

Used ☒ Yes ☐ No  
Available ☒ Yes ☐ No

**Shoulder Harness**

Used ☒ Yes ☐ No  
Available ☒ Yes ☐ No

**Pilot Certificate(s)** (Check all that apply)

☐ None ☐ Student ☐ Recreational ☒ Commercial ☐ Flight Engineer ☐ Foreign  
☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military

**Principal Occupation**

☒ Pilot  
☐ Other  
☐ Unknown

**Medical Certificate**

☐ None ☐ Class 3  
☐ Class 1 ☐ Driver's License (Sport Pilot only)  
☒ Class 2 ☐ Unknown

**Medical Certificate Validity**

☐ Without limitations/waivers  
☒ With limitations/waivers  
☐ Unknown

**Date of Last Medical**

04/02/2013  
*mm/dd/yyyy*

**Medical Certificate Limitations**

Must wear corrective lenses

**Medical Certificate Waivers**

None

**Date of Last Flight Review  
or Equivalent, Including  
FAR 121/135 Checks:**

12/18/2012  
*mm/dd/yyyy*

**Flight Review Aircraft**

Make: Bell Helicopter  
Model: 206L

**Airplane Rating(s)**  
(Check all that apply)

☐ None  
☒ Single-Engine Land  
☐ Single-Engine Sea  
☐ Multiengine Land  
☐ Multiengine Sea

**Other Aircraft Rating(s)**  
(Check all that apply)

☐ None  
☐ Airship  
☐ Free Balloon  
☐ Glider  
☐ Gyroplane  
☒ Helicopter  
☐ Powered Lift

**Instrument Rating(s)**  
(Check all that apply)

☐ None  
☒ Airplane  
☒ Helicopter  
☐ Powered Lift

**Instructor Rating(s)**  
(Check all that apply)

☐ None ☐ Instrument Airplane  
☐ Airplane Single-Engine ☐ Instrument Helicopter  
☐ Airplane Multi-Engine ☐ Helicopter  
☐ Gyroplane ☐ Glider  
☐ Powered Lift ☐ Sport

**Type Ratings**

None

**Student Endorsements** (Include dates)

NA

\*\*\* Some of the Flight Times below are approximate; all are close.

| Flight Time (enter appropriate number of hours in each box) | All Aircraft | This Make & Model | Airplane Single Engine | Airplane Multiengine | Night | Instrument |           | Rotorcraft | Glider | Lighter Than Air |
|-------------------------------------------------------------|--------------|-------------------|------------------------|----------------------|-------|------------|-----------|------------|--------|------------------|
|                                                             |              |                   |                        |                      |       | Actual     | Simulated |            |        |                  |
| Total Time                                                  | 2,900        | 300               | 325                    | 24                   | 700   | 200        | 325       | 2,100      | 0      | 0                |
| Pilot in Command (PIC)                                      | 2,000        | 275               | 250                    | 0                    | 500   | 100        | 100       | 1,800      | 0      | 0                |
| Time as Instructor                                          | 0            | 0                 | 0                      | 0                    | 0     | 0          | 0         | 0          | 0      | 0                |
| This Make/Model                                             |              |                   |                        |                      | 10    | 0          | 0         |            |        |                  |
| Last 90 Days                                                | 130          | 110               | 15                     | 0                    | 4     | 10         | 0         | 110        | 0      | 0                |
| Last 30 Days                                                | 45           | 40                | 5                      | 0                    | 0     | 2          | 0         | 40         | 0      | 0                |
| Last 24 Hours                                               | 6            | 6                 | 0                      | 0                    | 0     | 0          | 0         | 6          | 0      | 0                |

## PILOT "B" INFORMATION

### Pilot "B" Responsibilities at the Time of Accident/Incident

☐ Pilot
 ☐ Co-Pilot
 ☐ Student Pilot
 ☐ Flight Instructor
 ☐ Check Pilot
 ☐ Flight Engineer
 ☐ Other Flight Crew

### Pilot "B" Identification

First Name: NONE City: \_\_\_\_\_  
 Middle Initial: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Last Name: \_\_\_\_\_ Country: \_\_\_\_\_  
 Age at time of Accident/Incident: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Certificate Number: \_\_\_\_\_  
mm/dd/yyyy

#### Degree of Injury

☐ None
 ☐ Fatal  
☐ Minor
 ☐ Unknown  
☐ Serious

#### Seat Occupied

☐ Left
 ☐ Front
 ☐ Unknown  
☐ Right
 ☐ Rear  
☐ Center
 ☐ Single

#### Seat Belt

Used ☐ Yes ☐ No  
 Available ☐ Yes ☐ No

#### Shoulder Harness

Used ☐ Yes ☐ No  
 Available ☐ Yes ☐ No

### Pilot Certificate(s) (Check all that apply)

☐ None
 ☐ Student
 ☐ Recreational
 ☐ Commercial
 ☐ Flight Engineer
 ☐ Foreign  
☐ Private
 ☐ Flight Instructor
 ☐ Sport
 ☐ Airline Transport
 ☐ U.S. Military

#### Principal Occupation

☐ Pilot  
☐ Other  
☐ Unknown

#### Medical Certificate

☐ None
 ☐ Class 3  
☐ Class 1
 ☐ Driver's License (Sport Pilot only)  
☐ Class 2
 ☐ Unknown

#### Medical Certificate Validity

☐ Without limitations/waivers  
☐ With limitations/waivers  
☐ Unknown

#### Date of Last Medical

\_\_\_\_\_ mm/dd/yyyy

### Medical Certificate Limitations

### Medical Certificate Waivers

### Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

\_\_\_\_\_ mm/dd/yyyy

### Flight Review Aircraft

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_

#### Airplane Rating(s)

(Check all that apply)

☐ None  
☐ Single-Engine Land  
☐ Single-Engine Sea  
☐ Multiengine Land  
☐ Multiengine Sea

#### Other Aircraft Rating(s)

(Check all that apply)

☐ None  
☐ Airship  
☐ Free Balloon  
☐ Glider  
☐ Gyroplane  
☐ Helicopter  
☐ Powered Lift

#### Instrument Rating(s)

(Check all that apply)

☐ None  
☐ Airplane  
☐ Helicopter  
☐ Powered Lift

#### Instructor Rating(s)

(Check all that apply)

☐ None
 ☐ Instrument Airplane  
☐ Airplane Single-Engine
 ☐ Instrument Helicopter  
☐ Airplane Multi-Engine
 ☐ Helicopter  
☐ Gyroplane
 ☐ Glider  
☐ Powered Lift
 ☐ Sport

### Type Ratings

### Student Endorsements (Include dates)

| Flight Time (enter appropriate number of hours in each box) | All Aircraft | This Make & Model | Airplane Single Engine | Airplane Multiengine | Night | Instrument |           | Rotorcraft | Glider | Lighter Than Air |
|-------------------------------------------------------------|--------------|-------------------|------------------------|----------------------|-------|------------|-----------|------------|--------|------------------|
|                                                             |              |                   |                        |                      |       | Actual     | Simulated |            |        |                  |
| Total Time                                                  |              |                   |                        |                      |       |            |           |            |        |                  |
| Pilot in Command (PIC)                                      |              |                   |                        |                      |       |            |           |            |        |                  |
| Time as Instructor                                          |              |                   |                        |                      |       |            |           |            |        |                  |
| This Make/Model                                             |              |                   |                        |                      |       |            |           |            |        |                  |
| Last 90 Days                                                |              |                   |                        |                      |       |            |           |            |        |                  |
| Last 30 Days                                                |              |                   |                        |                      |       |            |           |            |        |                  |
| Last 24 Hours                                               |              |                   |                        |                      |       |            |           |            |        |                  |

**ADDITIONAL FLIGHT CREW MEMBERS** (Exclusive of cabin attendants, complete the following information)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pilot Name and Address</b><br>First Name: <u>NONE</u> City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                 |                                                                           | <b>Degree of Injury</b><br><input type="checkbox"/> None <input type="checkbox"/> Fatal<br><input type="checkbox"/> Minor <input type="checkbox"/> Unknown<br><input type="checkbox"/> Serious                                                              |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign<br><input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military |                                                                           | <b>Seat Occupied</b><br><input type="checkbox"/> Left <input type="checkbox"/> Front<br><input type="checkbox"/> Right <input type="checkbox"/> Rear<br><input type="checkbox"/> Center <input type="checkbox"/> Single<br><input type="checkbox"/> Unknown |
| <b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                  | <b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs |                                                                                                                                                                                                                                                             |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pilot Name and Address</b><br>First Name: <u>NONE</u> City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                 |                                                                           | <b>Degree of Injury</b><br><input type="checkbox"/> None <input type="checkbox"/> Fatal<br><input type="checkbox"/> Minor <input type="checkbox"/> Unknown<br><input type="checkbox"/> Serious                                                              |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign<br><input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military |                                                                           | <b>Seat Occupied</b><br><input type="checkbox"/> Left <input type="checkbox"/> Front<br><input type="checkbox"/> Right <input type="checkbox"/> Rear<br><input type="checkbox"/> Center <input type="checkbox"/> Single<br><input type="checkbox"/> Unknown |
| <b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                  | <b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs |                                                                                                                                                                                                                                                             |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                           |                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pilot Name and Address</b><br>First Name: <u>NONE</u> City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                 |                                                                           | <b>Degree of Injury</b><br><input type="checkbox"/> None <input type="checkbox"/> Fatal<br><input type="checkbox"/> Minor <input type="checkbox"/> Unknown<br><input type="checkbox"/> Serious                                                              |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><input type="checkbox"/> None <input type="checkbox"/> Student <input type="checkbox"/> Recreational <input type="checkbox"/> Commercial <input type="checkbox"/> Flight Engineer <input type="checkbox"/> Foreign<br><input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military |                                                                           | <b>Seat Occupied</b><br><input type="checkbox"/> Left <input type="checkbox"/> Front<br><input type="checkbox"/> Right <input type="checkbox"/> Rear<br><input type="checkbox"/> Center <input type="checkbox"/> Single<br><input type="checkbox"/> Unknown |
| <b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                  | <b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs |                                                                                                                                                                                                                                                             |

**PASSENGER(S) / OTHER PERSONNEL** (Include flight attendants; continue on separate sheet if necessary)

| Name and Address                                                                                                                                                | Seat  | Crew                                | Non-Revenue              | Revenue                  | Non-Occupant             | FAA                      | Fatal                    | Serious Injury           | Minor Injury             | No Injury                           | Unknown                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| First Name: <u>Rodney</u> City: <u>La Grange</u><br>Middle Initial: _____ State: <u>TX</u> ZIP: <u>78945</u><br>Last Name: <u>Ferris</u> Country: <u>USA</u>    | LF    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| First Name: <u>Jerald</u> City: <u>Round Rock</u><br>Middle Initial: _____ State: <u>TX</u> ZIP: <u>78664</u><br>Last Name: <u>Plunkett</u> Country: <u>USA</u> | LR    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                               | _____ | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                               | _____ | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                               | _____ | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                               | _____ | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                               | _____ | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                               | _____ | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)**

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State time and point of departure, intended destination, and services obtained.

See the attached Schedule 1 Narrative of Glenn Elkins

**RECOMMENDATION (How could this accident/incident have been prevented?)**

Operator/Owner Safety Recommendation

**ADDITIONAL INFORMATION** *(Please type or print in ink)*

Use this space if additional space is needed for any answers.

**I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE****Date of this Report**05/14/2013  
mm/dd/yyyy**Signature of**

Signature: \_\_\_\_\_

Type or Print Name: Glenn E. Kelly**Signature and Name of Person Filing Report if Other than Pilot/Operator**

Signature: \_\_\_\_\_

Type or Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

**FOR NTSB USE ONLY**

NTSB Accident/Incident No.

Reviewed by NTSB Regional Office

Name of Investigator

Date Report Received

**Schedule 1**  
**Narrative of Glenn Elkins**

I, Glenn Elkins, the undersigned Pilot in Command of a Bell 206L-1 Helicopter, tail number N20Z (the "Aircraft"), Rodney Faris, the videographer and Jerald Plunkett, the navigator, all employees of SAM, Inc., departed in the Aircraft from Colorado Springs at COS on the morning of May 7, 2013 at approximately 9:00 a.m. MT. Prior to departure, I performed a standard pre-flight inspection including checking all oil levels, and the Aircraft appeared to be ready for flight.

The purpose of the flight was to perform videotaping services of a pipeline corridor for a client. During flight operations, I maintained the Aircraft at approximately 50-100 feet above ground level (AGL) or above the highest obstacle during flight and 45-55 Knots Ground Speed (KTS GS). At no point during flight operations did the flight plan include, nor did I command, the Aircraft to a hover maneuver operation. Flight operations and plan included forward flight at all times.

After completing our first fuel load, I landed the Aircraft at La Junta Municipal Airport (LHX) to refuel. In order to maintain weight and balance, approximately 50 gallons of fuel were added to the Aircraft at LHX. See Attachment 1. I performed and completed a standard pre-flight inspection, including checking all oil levels and the Aircraft again appeared to be ready for flight.

Upon departure from LHX, the Aircraft was under maximum gross take-off weight as noted in Attachment 1. Our take off time from LHX was about 11:45 a.m. MT. The operation's plan was to continue the video work down the pipe line until the next refuel point. Our flight path was generally in a southeasterly direction. The terrain was generally flat, rural and with low vegetation, almost desert-like, for the most of the flight operations.

At approximately 12:00 p.m. MT, the Aircraft made an un-commanded yaw to the left for approximately one or two seconds and then returned back to a straight flight direction. Rodney Faris, who was riding in the left seat of the cockpit and videotaping for the client, noticed the torque spike from 55% to approximately 115% for a short period of time while he also noticed no control inputs by me, as the Pilot in Command. There was a distinct change in engine pitch as well. The torque spike and the engine pitch change indicated additional load on the engine. Immediately following the left-hand yaw, the Aircraft returned to a normal yaw position for approximately one or two seconds. The Aircraft then went into an un-commanded and continuous yaw to the right and it did not stop until the Aircraft touched down on the ground. At the point of noticing the un-commanded yaw to the right, I made the decision to treat the Aircraft situation as a Loss of Tail Rotor Effectiveness (LTE) and lowered the collective, reduced throttle and kept the Aircraft as level as possible while providing cushion for the landing with collective.

The result of my response was the Aircraft landed level, and apparently, the forces resulting from the yawing motion caused the Aircraft to roll onto its left side. I immediately commenced with emergency shutdown procedures for the Aircraft, including rolling the throttle to the off position, turning the fuel switch off and turning the generator off, and I left the battery on to look for a slight increase in turbine outlet temperature (TOT) but not runaway or secondary flame. Rodney Faris departed the Aircraft and then proceeded to assist the undersigned pilot from the Aircraft. Rodney and I then turned our attention to Jerald Plunkett to assist him in his exit from the Aircraft. We then all moved a safe distance from the Aircraft to check out one another and to determine the extent of injuries. We stepped back from the Aircraft in case of an explosion or fire, but no further event to the Aircraft occurred.

Initials

A black rectangular redaction box covering the signature area.

Following a period of time, I then returned my attention to double check the Aircraft to make sure everything was secure and shut down to the greatest extent possible. I then immediately contacted LHX and gave them our grid coordinates and asked them to request that emergency crews be dispatched in our direction. We then undertook the necessary remaining post-incident procedures to secure the Aircraft.

Each passenger contacted family to apprise them of the incident. I also contacted Oasis Services, the Aircraft operator. After those contacts were made, I then contacted my employer, SAM, Inc. and informed my supervisor, Rob Butler, of the incident. EMS arrived and transported all 3 passengers, being Glenn Elkins, Rodney Faris and Jerald Plunkett to the hospital. All 3 passengers were checked out and released with no injuries or prescribed medications.

A video and sound recording of the flight operations of the Aircraft immediately before and during the forced landing has been retained and is available for review. The undersigned pilot also took several photographs of the Aircraft post-accident and prior to departure to the hospital. See Attachments 2 thru 12.

Following the incident, I met with Jason Dickerson, one of the Aircraft's maintenance personnel, to discuss possible causes of the sudden and un-commanded left and right yaws as well as the torque spike. We reviewed the video and audio taken from the Aircraft; the left and right yaws are clearly noticeable. In performing a visual inspection of the Aircraft and in looking at the photographs taken at the scene, Jason and I noticed that one tail rotor blade was nearly untouched in the accident sequence and the other damaged beyond repair. See Attachments 5 thru 8. Additionally, the photographs show the lower damaged blade has crumple marks similar in nature to that of the tail fin. See Attachment 6. With the given Aircraft speed, noted approximately 45-55 KTS GS even with a direct tail wind, the Aircraft should have had tail rotor authority and it did not.



Weight + Balance 07-13

206 L1 / C30 P

|                                       |                               |        |                 |             |
|---------------------------------------|-------------------------------|--------|-----------------|-------------|
| 10000 50 991 @ 14X TO MAKE THIS TOTAL | Empty Wt -                    | 2576.8 | $\times 128.49$ | = 331,093.1 |
|                                       | Fuel Rear -                   | 335    | $\times 137$    | = 45,895    |
|                                       | Fuel Front -                  | 147.4  | $\times 137.1$  | = 20,208.54 |
|                                       | Pilot/CoPilot -               | 390    | $\times 65$     | = 25,350    |
|                                       | MID (Computer Rack + Baggage) | 100    | $\times 91$     | = 9,100     |
|                                       | Rear Passengers               | 220    | $\times 129$    | = 28,380    |
|                                       | Sensor + Baggage              | 105    | $\times 110$    | = 11,550    |
|                                       | Cargo                         | 110    | $\times 174$    | = 19,140    |
|                                       | Run Up Fuel                   | 70     | $\times 128.78$ | = 9,014.6   |

T/O WT 3914 @ 123 INCHES

A/C MAX GROSS WT - 4150  
INTERNAL

PA = 4300' @ T/O  
TEMP 24°C  
HOVER CEILING IGE 4150' UP TO  
PA 6000 @ 30°C

Attachment 2



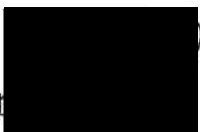
Initials



Attachment 3



Initial



Attachment 4



Initials



Attachment 5



Attachment 6



Attachment 7



Attachment 8



Attachment 9



Init

Attachment 10



Attachment 11



Initial

Attachment 12

