

**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: <u>Brown's Fort Heliport</u> State: <u>CO</u> ZIP: <u>81212</u> Country: <u>United States</u> Latitude: <u>N38.4963de</u> (dd:mm:ss N/S) Longitude: <u>W105.3112de</u> (ddd:mm:ss E/W)		Date/Time Date: <u>05/20/2017</u> Local Time: <u>1:40 pm</u> <i>mm/dd/yyyy</i> Time Zone: <u>Mountain</u>	
Phase of Operation <input type="checkbox"/> Standing <input type="checkbox"/> Takeoff (incl. initial climb) <input type="checkbox"/> Cruise <input type="checkbox"/> Hover <input type="checkbox"/> Taxi <input type="checkbox"/> Climb <input checked="" type="checkbox"/> Maneuvering <input type="checkbox"/> Other <input type="checkbox"/> Descent <input type="checkbox"/> Landing <input checked="" type="checkbox"/> Approach <input type="checkbox"/> Unknown		Collision with Other Aircraft <input type="checkbox"/> Midair <input type="checkbox"/> On-ground <input checked="" type="checkbox"/> None	Altitude of In-Flight Occurrence <p align="center"><u>6,400</u> ft MSL</p>

AIRCRAFT INFORMATION

Manufacturer: <u>Robinson Helicopter</u> Model: <u>Robinson R-66</u> Serial Number: <u>0469</u> Registration Number: <u>N778TL</u> Amateur-built: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Max Gross Weight: <u>2,700</u> lbs Weight at Time of Accident/Incident: <u>2,580</u> lbs Location of Center of Gravity at Time of Accident/Incident: <u>92.91</u> inches from <input type="checkbox"/> nose or <input checked="" type="checkbox"/> datum -or- _____ Percent Mean Aerodynamic Cord (% MAC)
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Category of Aircraft <input type="checkbox"/> Airplane <input type="checkbox"/> Balloon <input type="checkbox"/> Blimp/Dirigible <input type="checkbox"/> Glider <input type="checkbox"/> Gyrocraft <input checked="" type="checkbox"/> Helicopter <input type="checkbox"/> Powered lift <input type="checkbox"/> Ultralight <input type="checkbox"/> Unknown	Type of Airworthiness Certificate <i>(Check all that apply)</i> Standard <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Utility <input type="checkbox"/> Acrobatic <input type="checkbox"/> Transport Special <input type="checkbox"/> Restricted <input type="checkbox"/> Limited <input type="checkbox"/> Provisional <input type="checkbox"/> Experimental <input type="checkbox"/> Special Flight <input type="checkbox"/> Light Sport	Number of Seats: <u>5</u> If Large Aircraft, how many seats for: Flight Crew: <u>1</u> Cabin Crew: _____ Passengers: <u>4</u>	Landing Gear <input type="checkbox"/> Retractable Check any additional landing gear configuration that applies: <input type="checkbox"/> Tricycle <input type="checkbox"/> Tailwheel <input type="checkbox"/> Amphibian <input type="checkbox"/> High Skid <input type="checkbox"/> Emergency Float <input checked="" type="checkbox"/> Skid <input type="checkbox"/> Float <input type="checkbox"/> Ski <input type="checkbox"/> Hull <input type="checkbox"/> Ski/Wheel <input type="checkbox"/> Unknown
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Type of Maintenance Program <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Conditional (Amateur-built only) <input type="checkbox"/> Manufacturer's Inspection Program <input type="checkbox"/> Other Approved Inspection Program (AAIP) <input type="checkbox"/> Continuous Airworthiness <input type="checkbox"/> Other, specify: _____	Last Inspection Type <input checked="" type="checkbox"/> 100 Hour <input type="checkbox"/> Continuous Airworthiness <input type="checkbox"/> AAIP <input type="checkbox"/> Conditional Inspection <input type="checkbox"/> Annual <input type="checkbox"/> Unknown	Date Last Inspection: <u>03/15/2017</u> <i>mm/dd/yyyy</i> Airframe Total Time: <u>197</u> hrs hours measured at (check one) <input checked="" type="checkbox"/> Last Inspection <input type="checkbox"/> Time of Accident/Incident
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IFR Equipped <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Stall Warning System Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Type of Fire Extinguishing System <input checked="" type="checkbox"/> None <input type="checkbox"/> Specify _____
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ELT Installed ELT Activated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ELT Manufacturer: <u>Kannad</u> Model/Series: <u>Integra AF</u> Serial Number: <u>Rx1000037119</u> Battery Type: _____ Battery Exp. Date: <u>08/2019</u>
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Engine Type <input type="checkbox"/> Reciprocating <input type="checkbox"/> Turbo Jet <input checked="" type="checkbox"/> Turbo Shaft <input type="checkbox"/> Turbo Fan <input type="checkbox"/> Turbo Prop <input type="checkbox"/> Unknown	Reciprocating Fuel System Type <input type="checkbox"/> Carburetor <input type="checkbox"/> Fuel Injected	Propeller <input type="checkbox"/> Fixed Pitch Manufacturer: _____ <input type="checkbox"/> Controllable Pitch Model: _____
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Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Engine Rated Power Measured as (check one) <input checked="" type="checkbox"/> Horsepower or <input type="checkbox"/> lbs of Thrust	Total Time (hours)	Time Since Inspection (hours)	Time Since Overhaul (hours)
Eng. 1	Royals Royce	250-C300/A1	RRE-200475	06/12/2012	300	253	57	189
Eng. 2								
Eng. 3								
Eng. 4								

OWNER/OPERATOR INFORMATION

Registered Aircraft Owner Name: <u>Hynes Aviation Industries Inc</u> Fractional Ownership Aircraft: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Owner Address City: <u>Branson</u> State: <u>MO</u> ZIP: <u>65616-2611</u> Country: <u>United States</u>
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Operator of Aircraft <input type="checkbox"/> Same As Registered Owner Name: <u>Colorado Vertical</u> Doing Business As: <u>Tours</u> Air Carrier/Operator Designator (4 Character Code): _____	Operator Address <input type="checkbox"/> Same As Registered Owner City: <u>Canyon City</u> State: <u>CO</u> ZIP: <u>81212</u> Country: <u>United States</u>
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Regulation Flight Conducted Under <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) <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 <input type="checkbox"/> FAR 121 <input type="checkbox"/> FAR 135 <input type="checkbox"/> Non-US, Non-commercial <input type="checkbox"/> Unknown <input type="checkbox"/> FAR 125 <input type="checkbox"/> FAR 137 <input type="checkbox"/> Armed Forces	Revenue Sightseeing Flight <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Air Medical Flight <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Purpose of Flight for FAR 91, 103, 133, 137 (Select one) <input type="checkbox"/> Personal <input checked="" type="checkbox"/> Business <input type="checkbox"/> Executive/Corporate <input type="checkbox"/> Other Work Use <input type="checkbox"/> Instructional <input type="checkbox"/> Ferry <input type="checkbox"/> Positioning <input type="checkbox"/> Aerial Application <input type="checkbox"/> Aerial Observation <input type="checkbox"/> Air Drop <input type="checkbox"/> Air Race / Show <input type="checkbox"/> Flight Test <input type="checkbox"/> Public Use <input type="checkbox"/> Unknown	Revenue Operation for FAR 121, 125, 129, 135 (Select one) <input type="checkbox"/> Scheduled or Commuter <input type="checkbox"/> Non-Scheduled or Air Taxi Domestic or International <input type="checkbox"/> Domestic <input type="checkbox"/> International Cargo Operation <input type="checkbox"/> Passenger/Cargo <input type="checkbox"/> Passenger _____ How many? <input type="checkbox"/> Cargo _____ lbs <input type="checkbox"/> Mail	Type of Commercial Operating Certificate Held (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Flag Carrier Operating Certificate (121) <input type="checkbox"/> Supplemental <input type="checkbox"/> Air Cargo <input type="checkbox"/> Foreign Air Carriers (129) <input type="checkbox"/> Commuter Air Carrier (135) <input type="checkbox"/> On-Demand Air Taxi (135) <input type="checkbox"/> Large Helicopter (127) <input type="checkbox"/> Rotorcraft External Load (133) - or - <input type="checkbox"/> Agricultural Aircraft (137) <input type="checkbox"/> Other Operator of Large Aircraft
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OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for *other* aircraft)

Aircraft Registration Number: _____	Manufacturer: _____ Model: _____	Damage to Other Aircraft <input type="checkbox"/> Destroyed <input type="checkbox"/> Minor <input type="checkbox"/> Substantial <input type="checkbox"/> None
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Registered Owner of Other Aircraft

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____

Pilot of Other Aircraft

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)

Was there Mechanical Malfunction/Failure? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown (If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.) 	Total Time/Cycles On Part _____ Hours _____ Cycles Time Since This Part Inspected/Overhauled _____ Hours
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DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage <input type="checkbox"/> None <input checked="" type="checkbox"/> Substantial <input type="checkbox"/> Minor <input type="checkbox"/> Destroyed	Aircraft Fire <input checked="" type="checkbox"/> None <input type="checkbox"/> Both Ground and In-Flight <input type="checkbox"/> In-Flight <input type="checkbox"/> Unknown Origin <input type="checkbox"/> On-Ground	Aircraft Explosion <input checked="" type="checkbox"/> None <input type="checkbox"/> Both Ground and In-Flight <input type="checkbox"/> In-Flight <input type="checkbox"/> Unknown Origin <input type="checkbox"/> On-Ground
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Description of Damage to Aircraft and Other Property (use additional sheet if necessary)

Tail section separated and main rotor damage

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

Airport Identifier: CO63 **Distance From Airport Center:** 0 SM
Airport Name: Browns For Heliport **Direction From Airport:** 045 degrees MAG
Proximity to Airport Off Airport/Airstrip On Airport On Airstrip **Airport Elevation:** 6,400 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) **VFR Approach** (Check all that apply)
 None PAR MLS Practice None Stop and Go
 ADF/NDB Sidestep LDA GPS Traffic Pattern Touch and Go
 SDF ILS ASR Loran Straight-In Simulated Forced Landing
 VOR/TVOR Localizer Only Visual Unknown Valley/Terrain Following Forced Landing
 VOR/DME LOC-back course Contact Go Around Precautionary Landing
 TACAN RNAV Circling Full Stop Unknown

Runway Information **Condition of Runway/Landing Surface** (Check all that apply)
Runway ID: _____ (L/R/C) Length: _____ ft Width: _____ ft
 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 **Time of Departure** **Destination** **Type Flight Plan Filed**
Airport ID: CO63 Time: 1:40 pm Airport ID: CO63
City: Canyon City Time Zone: Mountain City: Canyon City
State: CO State: CO
Country: United States Country: United States
 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 **Fuel Type**
(convert from pounds, as necessary) 80/87 115/145 JP3
20 Gallons 100 Low Lead Jet A JP4
 100/130 Automotive JP5
 Other, specify _____

Other Services, if Any, Prior to Departure

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

Front left passenger exited out the front left door
 Rear Left passenger exited out the rear left door
 Rear Middle passenger exited out the rear -?- door
 Rear Right passenger exited out the rear right door
 Pilot Front Right exited out the front right door

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Weather Observation Facility Facility ID: <u>1V6</u> Observation Time: <u>1:00pm</u> Time Zone: <u>Mountain</u> Distance from Accident Site: <u>10</u> NM Direction from Accident Site: <u>101</u> degrees MAG	Source of Weather Information <i>(Check all that apply)</i> <input type="checkbox"/> National Weather Service <input type="checkbox"/> Company <input type="checkbox"/> Flight Service Station <input type="checkbox"/> Military <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Internet <input type="checkbox"/> Automated Report <input type="checkbox"/> Unknown <input type="checkbox"/> Commercial Weather Service (DUATS)	Method of Briefing <i>(Check all that apply)</i> <input type="checkbox"/> In Person <input type="checkbox"/> Teletype <input checked="" type="checkbox"/> Telephone/Computer <input type="checkbox"/> Aircraft Radio <input type="checkbox"/> TV/Radio <input type="checkbox"/> Unknown
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Briefing Type/Completeness <input type="checkbox"/> Full <input type="checkbox"/> Abbreviated <input type="checkbox"/> Partial / Limited By Pilot <input type="checkbox"/> Unknown <input type="checkbox"/> Partial / Limited By Briefer <input checked="" type="checkbox"/> Not Pertinent	Light Condition <input type="checkbox"/> Dawn <input type="checkbox"/> Dusk <input checked="" type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> Dark Night <input type="checkbox"/> Bright Night <input type="checkbox"/> Not Reported	Visibility <u>10</u> miles
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Sky/Lowest Cloud Condition <input type="checkbox"/> Clear <input type="checkbox"/> Thin Broken <input checked="" type="checkbox"/> Few <input type="checkbox"/> Thin Overcast <input type="checkbox"/> Partial Obscuration <input type="checkbox"/> Unknown <input type="checkbox"/> Scattered	Ceiling <input checked="" type="checkbox"/> None (clear) <input type="checkbox"/> Obscured <input type="checkbox"/> Broken <input type="checkbox"/> Indefinite <input type="checkbox"/> Overcast <input type="checkbox"/> Unknown	Restriction to Visibility <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Fog <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke <input type="checkbox"/> Dust <input type="checkbox"/> Unknown
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Lowest Cloud Condition Height <u>16,000</u> ft AGL	Ceiling Height <u>16,000</u> ft AGL	Wind Direction <input checked="" type="checkbox"/> Indicated: <u>180</u> degrees MAG <input type="checkbox"/> Variable	Wind Speed Velocity: <u>10</u> KTS -or- <input type="checkbox"/> Calm <input type="checkbox"/> Light and Variable	Wind Gusts Velocity: _____ KTS <input type="checkbox"/> Gusting <input checked="" type="checkbox"/> Not Gusting	Type of Turbulence <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> In Clouds <input type="checkbox"/> Clear Air <input type="checkbox"/> Vicinity of Thunderstorm Severity of Turbulence <input type="checkbox"/> Extreme <input type="checkbox"/> Moderate <input type="checkbox"/> Light <input type="checkbox"/> Severe <input type="checkbox"/> Moderate Chop
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NOTAMs (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident

Temperature: <u>16</u> (C) or <u>60</u> (F) Altimeter Setting: <u>30.1</u> in. HG or _____ MB Density Altitude: <u>7,900</u> ft Dew Point: <u>5</u> (C) or _____ (F)	Icing Forecast Amount Type <input checked="" type="checkbox"/> None <input type="checkbox"/> Moderate <input type="checkbox"/> Rime <input type="checkbox"/> Trace <input type="checkbox"/> Severe <input type="checkbox"/> Clear <input type="checkbox"/> Light <input type="checkbox"/> Mixed Icing Actual Amount Type <input checked="" type="checkbox"/> None <input type="checkbox"/> Moderate <input type="checkbox"/> Rime <input type="checkbox"/> Trace <input type="checkbox"/> Severe <input type="checkbox"/> Clear <input type="checkbox"/> Light <input type="checkbox"/> Mixed	Type of Precipitation <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Drizzle <input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Snow Shower <input type="checkbox"/> Freezing Drizzle Intensity of Precipitation <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
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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: David City: Peyton
 Middle Initial: R State: CO ZIP: 80831
 Last Name: Steele Country: U.S.
 Age at time of Accident/Incident: 44 Date of Birth: [REDACTED] Certificate Number: [REDACTED]
mm/dd/yyyy

Degree of Injury	Seat Occupied	Seat Belt	Shoulder Harness
<input checked="" type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious	<input type="checkbox"/> Left <input checked="" type="checkbox"/> Front <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single	Used <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Available <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Used <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Available <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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	Medical Certificate	Medical Certificate Validity	Date of Last Medical
<input type="checkbox"/> Pilot <input checked="" type="checkbox"/> Other <input type="checkbox"/> Unknown	<input type="checkbox"/> None <input type="checkbox"/> Class 3 <input type="checkbox"/> Class 1 <input type="checkbox"/> Driver's License (Sport Pilot only) <input checked="" type="checkbox"/> Class 2 <input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Without limitations/waivers <input type="checkbox"/> With limitations/waivers <input type="checkbox"/> Unknown	<u>04/21/2017</u> <small>mm/dd/yyyy</small>

Medical Certificate Limitations
 None

Medical Certificate Waivers
 None

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: <u>10/31/2015</u> <small>mm/dd/yyyy</small>	Flight Review Aircraft Make: <u>Robinson Helicopter</u> Model: <u>Robinson R-44</u>
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Airplane Rating(s) <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	Other Aircraft Rating(s) <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Free Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	Instrument Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane <input checked="" type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	Instructor Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Instrument Helicopter <input checked="" type="checkbox"/> Helicopter <input type="checkbox"/> Glider <input type="checkbox"/> Sport
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Type Ratings	Student Endorsements <i>(Include dates)</i>

Flight Time <i>(enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	520	95	0	0	37	0	55	485	0	0
Pilot in Command (PIC)	412	95	0	0	34	0	55	407	0	0
Time as Instructor	53	15	0	0	3	0	0	53	0	0
This Make/Model					11	0	0			
Last 90 Days	31	31	0	0	0	0	0	31	0	0
Last 30 Days	7	7	0	0	0	0	0	7	0	0
Last 24 Hours	2	2	0	0	0	0	0	2	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: _____ 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 <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious	Seat Occupied <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Unknown <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single	Seat Belt Used <input type="checkbox"/> Yes <input type="checkbox"/> No Available <input type="checkbox"/> Yes <input type="checkbox"/> No	Shoulder Harness Used <input type="checkbox"/> Yes <input type="checkbox"/> No Available <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <input type="checkbox"/> Pilot <input type="checkbox"/> Other <input type="checkbox"/> Unknown	Medical Certificate <input type="checkbox"/> None <input type="checkbox"/> Class 3 <input type="checkbox"/> Class 1 <input type="checkbox"/> Driver's License (Sport Pilot only) <input type="checkbox"/> Class 2 <input type="checkbox"/> Unknown	Medical Certificate Validity <input type="checkbox"/> Without limitations/waivers <input type="checkbox"/> With limitations/waivers <input type="checkbox"/> Unknown	Date of Last Medical _____ <i>mm/dd/yyyy</i>
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Medical Certificate Limitations

Medical Certificate Waivers

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: _____ <i>mm/dd/yyyy</i>	Flight Review Aircraft Make: _____ Model: _____
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Airplane Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	Other Aircraft Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Free Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	Instrument Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	Instructor Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Instrument Helicopter <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Helicopter <input type="checkbox"/> Gyroplane <input type="checkbox"/> Glider <input type="checkbox"/> Powered Lift <input type="checkbox"/> Sport
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Type Ratings	Student Endorsements <i>(Include dates)</i>
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Flight Time <i>(enter appropriate number of hours in each box)</i>	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)

Pilot Name and Address		Degree of Injury <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious
First Name: _____	City: _____	
Middle Initial: _____	State: _____ ZIP: _____	
Last Name: _____		Country: _____

Pilot Certificate(s) (Check all that apply)		Seat Occupied <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
<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	<input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military	

Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Flight Time at the Time of this Accident/Incident: _____ hrs
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Pilot Name and Address		Degree of Injury <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious
First Name: _____	City: _____	
Middle Initial: _____	State: _____ ZIP: _____	
Last Name: _____		Country: _____

Pilot Certificate(s) (Check all that apply)		Seat Occupied <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
<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	<input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military	

Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Flight Time at the Time of this Accident/Incident: _____ hrs
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Pilot Name and Address		Degree of Injury <input type="checkbox"/> None <input type="checkbox"/> Fatal <input type="checkbox"/> Minor <input type="checkbox"/> Unknown <input type="checkbox"/> Serious
First Name: _____	City: _____	
Middle Initial: _____	State: _____ ZIP: _____	
Last Name: _____		Country: _____

Pilot Certificate(s) (Check all that apply)		Seat Occupied <input type="checkbox"/> Left <input type="checkbox"/> Front <input type="checkbox"/> Right <input type="checkbox"/> Rear <input type="checkbox"/> Center <input type="checkbox"/> Single <input type="checkbox"/> Unknown
<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	<input type="checkbox"/> Private <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Sport <input type="checkbox"/> Airline Transport <input type="checkbox"/> U.S. Military	

Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Flight Time at the Time of this Accident/Incident: _____ hrs
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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>Malin</u> City: <u>Oreland</u> Middle Initial: _____ State: <u>PA</u> ZIP: <u>19075</u> Last Name: <u>McCarver</u> Country: <u>United States</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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>Gina</u> City: <u>Oreland</u> Middle Initial: _____ State: <u>PA</u> ZIP: <u>19075</u> Last Name: <u>McCarver</u> Country: <u>United States</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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>Steve</u> City: <u>Oreland</u> Middle Initial: _____ State: <u>PA</u> ZIP: <u>19075</u> Last Name: <u>Polachek</u> Country: <u>United States</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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>Hayley</u> City: <u>Denver</u> Middle Initial: _____ State: <u>CO</u> ZIP: <u>80236</u> Last Name: <u>Hall</u> Country: <u>United States</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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: _____ Middle Initial: _____ State: _____ ZIP: _____ 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: _____ Middle Initial: _____ State: _____ ZIP: _____ 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: _____ Middle Initial: _____ State: _____ ZIP: _____ 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: _____ Middle Initial: _____ State: _____ ZIP: _____ 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.

I was coming back from the Royal Gorge, from a tour, and was getting ready to set up for my approach. I was south of highway 50 heading north. A few seconds before getting to the fire wood cutting business, located on the south side of highway 50, my airspeed was between 50 and 60 knots and I arrested my descent. I glanced to my left and forward to ascertain the direction of the wind. At this point I could not tell if the winds were coming from the South West, South or South East. As I crossed Highway 50, I glanced to my left at the wind sock located next to the heli pad to get a better idea of where the winds were coming from.

The wind had been fluctuating for the past few hours coming from the West, from the south, and from the South East. At this time, the winds were directly from the south. I was lineup directly over the power lines located East of the airport, which run north and south. I set up this way, so that if something goes wrong I can go left or right and land safely in the field on either side of the power lines.

Since the winds were coming out of the South, I made the decision to make my approach from the North. Which I have done many times. I looked forward started to pull power and make my left turn to final. As I did this the helicopter started to descend. At this point I was to the left, west, of the power lines which run North and South. I pulled in a little more power which did not change my descent rate. I assumed I might be in settling with power. If this was truly what was happening, there are two ways out of this. Either move the helicopter to the right and pull power, or increase airspeed and the pull power.

Do to the fact that the power lines, running north and south, were close below and off to my right, I could not slide to the right. My other option was to push forward and increase my airspeed. Unfortunately there were power lines in front of me running east and west. I pushed the cyclic forward slightly to increase my airspeed, as the airspeed increased I went ahead and tried to pull more power. When that did not appear to do anything, and seeing that I did not have enough room in front of me to keep this maneuver up, I decided to commit to the safest landing I could do to save the lives of my passengers and to do what I could to keep the helicopter in one piece.

I told my passengers that because we were sinking, I was going to go ahead and land in the field. As we approached the ground I felt it was important to reduce as much forward airspeed as possible so that we would not flip forward once we touched down on the ground. A few feet before we touch the ground I started to push forward on the cyclic to level the ship. I miss judged how fast we were descending and before I could get the ship level, the rear skids touched down forcing the helicopter to rock forward in turn thrusting the tail section of the helicopter into the main rotor, separating the tail from the helicopter. Once we rocked back and settled flat on the ground, I immediately pulled the fuel mixture to kill the engine.

My passengers wanted to get out, and I told them all to stay in the helicopter until the main rotor blade came to a stop. I carefully pulled on the rotor break as to not put too much strain on an already strained system. While I did this, I asked my passengers if they were ok. They all said that they were fine. Once the main rotor blade came to a stop I told my passengers that it was now safe to exit the aircraft. While they were exiting, I flipped all of the switches to the off position. Once I was satisfied that all of my passengers had exited the aircraft safely and the helicopter was shut down completely, I exited the aircraft. Once I was out of the aircraft, I checked on all four of my passengers again to make sure they were ok. They said they were fine. I was about to dial 911 when I heard someone say the ambulance was on its way. My passengers started to walk back to the helipad, directly from where the helicopter was located, and I yelled over to them to walk over to where the sheriff's vehicles were located so that they could get checked out by the ambulance when it arrived. I found out later that when the ambulance arrived and the paramedics asked all of my passengers if they needed to be checked out, all of them declined saying they were fine.

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 _____ <i>mm/dd/yyyy</i>	Signature and Name of Pilot/Operator Signature: _____ Type or Print Name: _____
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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. CEN17LA192	Reviewed by NTSB Regional Office CEN	Name of Investigator Sauer	Date Report Received 05/20/17
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