

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: Wells State: NV
 ZIP: 89835 Country: USA
 Latitude: N41 21 57.1 (dd:mm:ss N/S) Longitude: W114 59 54.5 (ddd:mm:ss E/W)

Date/Time

Date: 04/20/2013 Local Time: 10:40 am
 mm/dd/yyyy Time Zone: Pacific

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

6,500 ft MSL

AIRCRAFT INFORMATION

Manufacturer: Bell Textron

Model: BH206BIII

Serial Number: 4055

Registration Number: N4237M

Amateur-built: ☐ Yes ☒ No

Max Gross Weight: 3,200 lbs

Weight at Time of Accident/Incident: 2,250 lbs

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

110.72 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

☒ Normal
☐ Utility
☐ Acrobatic
☐ Transport

Special

☐ Restricted
☐ Limited
☐ Provisional
☐ Experimental
☐ Special Flight
☐ Light Sport

Number of Seats: 5

If Large Aircraft, how many seats for:

Flight Crew: _____

Cabin Crew: _____

Passengers: _____

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: _____

Last Inspection Type

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

Date Last Inspection: 03/20/2013

mm/dd/yyyy

Airframe Total Time: 7,751 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 Handheld Halon bottle

ELT Installed

☒ Yes ☐ No

ELT Activated

☐ Yes ☒ No

ELT Manufacturer: ACK

Model/Series: ACK-04

ELT Aided in Locating Accident/Incident

☐ Yes ☒ No

Serial Number: _____

Battery Type: _____

Battery Exp. Date: 01/30/2014

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. mm/dd/yyyy	Engine Rated Power Measured as (check one) ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since Inspection (hours)	Time Since Overhaul (hours)
Eng. 1	Allison	C20-B	CAE-831329	06/19/1978	420 derated to 312 HP	8,605	67	1,090
Eng. 2								
Eng. 3								
Eng. 4								

OWNER/OPERATOR INFORMATION			
Registered Aircraft Owner Name: <u>Reeder Flying Service, Inc.</u> Fractional Ownership Aircraft: ☐ Yes ☒ No		Owner Address City: [REDACTED] State: <u>ID</u> ZIP: <u>83301</u> Country: <u>USA</u>	
Operator of Aircraft ☒ Same As Registered Owner Name: _____ Doing Business As: _____ Air Carrier/Operator Designator (4 Character Code): _____		Operator Address ☒ Same As Registered Owner City: _____ State: _____ ZIP: _____ Country: _____	
Regulation Flight Conducted Under ☒ FAR 91 ☐ FAR 129 ☐ FAR 91 Special Flight ☐ Public Use (select type) ☐ FAR 103 ☐ FAR 133 ☐ Non-US, Commercial ☐ Federal ☐ State ☐ Local ☐ FAR 121 ☐ FAR 135 ☐ Non-US, Non-commercial ☐ Unknown ☐ FAR 125 ☐ FAR 137 ☐ Armed Forces		Revenue Sightseeing Flight ☐ Yes ☒ No Air Medical Flight ☐ Yes ☒ No	
Purpose of Flight for FAR 91, 103, 133, 137 (Select one) ☐ Personal ☐ Business ☐ Executive/Corporate ☐ Other Work Use ☐ Instructional ☐ Ferry ☐ Positioning ☐ Aerial Application ☐ Aerial Observation ☒ Air Drop ☐ Air Race / Show ☐ Flight Test ☐ Public Use ☐ Unknown	Revenue Operation for FAR 121, 125, 129, 135 (Select one) ☐ Scheduled or Commuter ☒ Non-Scheduled or Air Taxi Domestic or International ☐ Domestic ☐ International	Type of Commercial Operating Certificate Held (Select all that apply) ☐ None ☐ Flag Carrier Operating Certificate (121) ☐ Supplemental ☐ Air Cargo ☐ Foreign Air Carriers (129) ☐ Commuter Air Carrier (135) ☒ On-Demand Air Taxi (135) ☐ Large Helicopter (127) ☒ Rotorcraft External Load (133) - or - ☒ Agricultural Aircraft (137) ☐ Other Operator of Large Aircraft	
OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for <i>other</i> aircraft)			
Aircraft Registration Number _____	Manufacturer: _____ Model: _____	Damage to Other Aircraft ☐ Destroyed ☐ Minor ☐ Substantial ☐ None	
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? ☐ Yes ☐ No ☐ 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
DAMAGE TO AIRCRAFT AND OTHER PROPERTY			
Aircraft Damage ☐ None ☒ Substantial ☐ Minor ☐ Destroyed	Aircraft Fire ☒ None ☐ Both Ground and In-Flight ☐ In-Flight ☐ Unknown Origin ☐ On-Ground	Aircraft Explosion ☒ None ☐ Both Ground and In-Flight ☐ In-Flight ☐ Unknown Origin ☐ On-Ground	

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

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/TWOR ☐ 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: <u>KLWL</u> City: <u>WELLS</u> State: <u>NV</u> Country: <u>USA</u>	Time of Departure Time: <u>0730</u> Time Zone: <u>PACIFIC</u>	Destination Airport ID: _____ City: _____ State: _____ Country: _____	Type Flight Plan Filed ☐ None ☐ VFR/IFR ☒ Company VFR ☐ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☒ Yes ☐ No
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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) _____ 50 Gallons	Fuel Type ☐ 80/87 ☐ 115/145 ☐ JP3 ☐ 100 Low Lead ☒ Jet A ☐ JP4 ☐ 100/130 ☐ Automotive ☐ JP5 ☐ Other, specify _____
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Other Services, if Any, Prior to Departure

EVACUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? ☐ Yes ☒ No**Method of Exit** – Describe how the occupants exited and how many occupants evacuated each location

After landing, the pilot exited from the front right door and the passenger exited from the rear left door.

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE**Weather Observation Facility**Facility ID: Wells, NV site WEHN2Observation Time: 10:30 amTime Zone: PacificDistance from Accident Site: 20 NMDirection from Accident Site: 180 degrees MAG**Source of Weather Information**

(Check all that apply)

- | | |
|---|-----------------------------------|
| ☐ National Weather Service | ☐ Company |
| ☐ Flight Service Station | ☐ Military |
| ☐ TV/Radio | ☐ Internet |
| ☒ Automated Report | ☐ Unknown |
| ☐ Commercial Weather Service (DUATS) | |

Method of Briefing

(Check all that apply)

- | |
|--|
| ☐ In Person |
| ☐ Teletype |
| ☒ Telephone/Computer |
| ☐ Aircraft Radio |
| ☐ TV/Radio |
| ☐ Unknown |

Briefing Type/Completeness

- | | |
|---|---|
| ☐ Full | ☐ Abbreviated |
| ☐ Partial / Limited By Pilot | ☐ Unknown |
| ☐ Partial / Limited By Briefer | ☒ Not Pertinent |

Light Condition

- | | | |
|---|--------------------------------|---------------------------------------|
| ☐ Dawn | ☐ Dusk | ☐ Dark Night |
| ☒ Day | ☐ Night | ☐ Bright Night |
| ☐ Not Reported | | |

Visibility20 miles**Sky/Lowest Cloud Condition**

- | | |
|--|--|
| ☐ Clear | ☐ Thin Broken |
| ☒ Few | ☐ Thin Overcast |
| ☐ Partial Obscuration | ☐ Unknown |
| ☐ Scattered | |

Ceiling

- | | |
|--|-------------------------------------|
| ☒ None (clear) | ☐ Obscured |
| ☐ Broken | ☐ Indefinite |
| ☐ Overcast | ☐ Unknown |

Restriction to Visibility (Check all that apply)

- | | |
|--|-------------------------------------|
| ☒ None | ☐ Fog |
| ☐ Blowing Dust | ☐ Ground Fog |
| ☐ Blowing Sand | ☐ Haze |
| ☐ Blowing Snow | ☐ Ice Fog |
| ☐ Blowing Spray | ☐ Smoke |
| ☐ Dust | ☐ Unknown |

Lowest Cloud Condition Height8,000 ft AGL**Ceiling Height** ft AGL**Wind Direction**☒ Indicated:
270 degrees MAG☐ Variable**Wind Speed**Velocity: 12 KTS

-or-

- | |
|---|
| ☐ Calm |
| ☐ Light and Variable |

Wind GustsVelocity: 20 KTS

- | |
|---|
| ☒ Gusting |
| ☐ Not Gusting |

Type of Turbulence (Check all that apply)

- | | |
|--|---|
| ☒ None | ☐ In Clouds |
| ☐ Clear Air | ☐ Vicinity of Thunderstorm |

Severity of Turbulence

- | | | |
|----------------------------------|--|--------------------------------|
| ☐ Extreme | ☐ Moderate | ☐ Light |
| ☐ Severe | ☐ Moderate Chop | |

NOTAMs (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident

Unknown

Temperature: (C)
or 46 (F)Altimeter Setting: field ele in. HG
or MBDensity Altitude: ftDew Point: (C)
or (F)**Icing Forecast****Amount**

- | | |
|--|-----------------------------------|
| ☒ None | ☐ Moderate |
| ☐ Trace | ☐ Severe |
| ☐ Light | |

Type

- | |
|--------------------------------|
| ☐ Rime |
| ☐ Clear |
| ☐ Mixed |

Icing Actual**Amount**

- | | |
|--|-----------------------------------|
| ☒ None | ☐ Moderate |
| ☐ Trace | ☐ Severe |
| ☐ Light | |

Type

- | |
|--------------------------------|
| ☐ Rime |
| ☐ Clear |
| ☐ Mixed |

Type of Precipitation (Check all that apply)

- | | |
|--|---|
| ☒ None | ☐ Drizzle |
| ☐ Rain | ☐ Ice Pellets |
| ☐ Snow | ☐ Snow Pellets |
| ☐ Hail | ☐ Snow Grains |
| ☐ Rain Showers | ☐ Ice Crystals |
| ☐ Freezing Rain | ☐ Ice Pellets Shower |
| ☐ Snow 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: Stephen City: Twin Falls
 Middle Initial: L. State: ID ZIP: 83301
 Last Name: West Country: USA
 Age at time of Accident/Incident: 57 Date of Birth: mm/dd/yyyy 1956 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

03/12/2013
 mm/dd/yyyy

Medical Certificate Limitations

Holder shall possess glasses for near/intermediate vision

Medical Certificate Waivers

none

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

03/25/2013
 mm/dd/yyyy

Flight Review Aircraft

Make: Bell Textron
 Model: BH206BIII

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	7,115	2,709	204	0	85	0	65	6,910	0	0
Pilot in Command (PIC)	6,978	2,700	133	0	80			6,845	0	0
Time as Instructor	938									
This Make/Model										
Last 90 Days	68	34						68		
Last 30 Days	35	34						35		
Last 24 Hours	5	5						5		

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

☐ 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)														
Pilot Name and Address						Degree of Injury								
First Name: _____		City: _____				☐ None		☐ Fatal						
Middle Initial: _____		State: _____		ZIP: _____		☐ Minor		☐ Unknown						
Last Name: _____		Country: _____				☐ Serious								
Pilot Certificate(s) (Check all that apply)						Seat Occupied								
☐ None		☐ Student		☐ Recreational		☐ Commercial		☐ Flight Engineer						
☐ Private		☐ Flight Instructor		☐ Sport		☐ Airline Transport		☐ U.S. Military						
								☐ Foreign						
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No				Total Flight Time at the Time of this Accident/Incident: _____ hrs										
Pilot Name and Address						Degree of Injury								
First Name: _____		City: _____				☐ None		☐ Fatal						
Middle Initial: _____		State: _____		ZIP: _____		☐ Minor		☐ Unknown						
Last Name: _____		Country: _____				☐ Serious								
Pilot Certificate(s) (Check all that apply)						Seat Occupied								
☐ None		☐ Student		☐ Recreational		☐ Commercial		☐ Flight Engineer						
☐ Private		☐ Flight Instructor		☐ Sport		☐ Airline Transport		☐ U.S. Military						
								☐ Foreign						
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No				Total Flight Time at the Time of this Accident/Incident: _____ hrs										
Pilot Name and Address						Degree of Injury								
First Name: _____		City: _____				☐ None		☐ Fatal						
Middle Initial: _____		State: _____		ZIP: _____		☐ Minor		☐ Unknown						
Last Name: _____		Country: _____				☐ Serious								
Pilot Certificate(s) (Check all that apply)						Seat Occupied								
☐ None		☐ Student		☐ Recreational		☐ Commercial		☐ Flight Engineer						
☐ Private		☐ Flight Instructor		☐ Sport		☐ Airline Transport		☐ U.S. Military						
								☐ Foreign						
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No				Total Flight Time at the Time of this Accident/Incident: _____ 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>Gary</u>														
Middle Initial: _____														
Last Name: <u>Castagne</u>							☒						☒	
City: <u>Reno</u>														
State: <u>NV</u>														
ZIP: _____														
Country: <u>USA</u>														

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.

On April 20, 2013 I was piloting a BH206BIII helicopter engaged in a Part 91 flight. We were working with a company to place mining claim stakes at specific GPS locations in the Snake Mtns north of Wells, NV. This entails loading wooden stakes in the back of the aircraft and with the left door removed and the customer in the left back seat, we would fly along regular lines and place stakes in the ground generally at intervals of 300', 600' or 1500'. The close proximity of each location requires that movement between stakes be at low level. The terrain was generally steep hills covered with sage and brush, with some low trees interspersed. Each load would take about 1.5 hours to complete. The weather was clear with some clouds, winds 10-15 mph from the west with some gusts to 20 mph.

We had completed one load of 70 stakes and had returned with another. At about the half way point, I was moving over from one side of a hill, from north to south and angling westerly downslope. As I crested the hill, I felt a shudder and a vibration. I immediately moved away from the slope and angled downhill, accelerating toward an open area at the bottom of the drainage. The vibration increased. I rolled the throttle off and entered an autorotation. The vibration increased. I felt the drive line to the tail rotor separate. At the bottom of the drainage, I flared and cushioned the landing in a clear area. The aircraft landed flat with no yaw and with no slide. I completed the engine shutdown. After the main rotor had stopped, the passenger and I exited the aircraft.

There were no injuries. The aircraft remained upright and intact.

During recovery of the aircraft, I walked the slope and found a bush, 6-8 feet tall that had broken branches. No other foliage in the immediate area showed this damage. I am certain I struck this bush with the tail rotor.

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

Operator/Owner Safety Recommendation

In the future, operations of this type will need to be performed at a greater distance from the ground between the points to avoid contact with objects on the ground.

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**04/24/2013*mm/dd/yyyy***Signature and Name of Pilot/Operator**

Signature: _____

Type or Print Name: Stephen L West**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.**WPR13CA204**Reviewed by NTSB Regional Office**Seattle, WA - WPR**Name of Investigator**Joshua Cawthra**Date Report Received**4/25/13