



# Aviation Investigation Final Report

<b>Location:</b>	BILLINGS, Montana	<b>Accident Number:</b>	DEN84LA078
<b>Date &amp; Time:</b>	January 30, 1984, 13:30 Local	<b>Registration:</b>	N6741H
<b>Aircraft:</b>	PIPER J3C-65	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Minor, 1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT STATED THAT DURING TAKEOFF A GUST OF WIND BLEW THE ACFT TO THE RIGHT AND HE DECIDED TO ABORT THE TAKEOFF. DURING THE ABORT THE ACFT DEPARTED THE RWY, WENT DOWN A BANK AND CAME TO REST UPSIDE DOWN.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

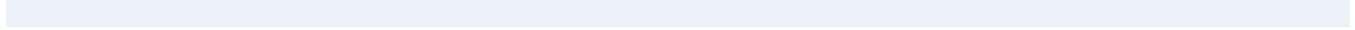
### Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: TAKEOFF - ROLL/RUN

#### Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
3. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
4. (C) ABORTED TAKEOFF - PERFORMED - PILOT IN COMMAND
5. (C) GROUND LOOP/SWERVE - NOT CORRECTED - PILOT IN COMMAND

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Occurrence #2: NOSE OVER  
Phase of Operation: TAKEOFF - ROLL/RUN



## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	17, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Center
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	August 15, 1983
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	137 hours (Total, all aircraft), 115 hours (Total, this make and model), 69 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N6741H
<b>Model/Series:</b>	J3C-65 J3C-65	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	19952
<b>Landing Gear Type:</b>	Tailwheel; High skid	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	January 19, 1984 Annual	<b>Certified Max Gross Wt.:</b>	1220 lbs
<b>Time Since Last Inspection:</b>	1 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2982 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated	<b>Engine Model/Series:</b>	C-65
<b>Registered Owner:</b>	THOMAS ADAMS, JR.	<b>Rated Power:</b>	65 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	1

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	BIL ,3606 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	13:25 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 10000 ft AGL	<b>Visibility</b>	50 miles
<b>Lowest Ceiling:</b>	Broken / 20000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	13 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	220°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	5°C / -4°C
<b>Precipitation and Obscuration:</b>	N/A - None - Haze		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	VFR
<b>Destination:</b>	BUTTE , MT (BTM )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:30 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	BILLINGS LOGAN BIL	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	3606 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27R	<b>IFR Approach:</b>	SDF
<b>Runway Length/Width:</b>	10500 ft / 150 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Minor, 1 None	<b>Latitude, Longitude:</b>	45.649288,-108.379425(est)

## Administrative Information

**Investigator In Charge (IIC):**      Winningham, Fred

**Additional Participating  
Persons:**

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:**            [Class](#)

**Note:**

**Investigation Docket:**          <https://data.nts.gov/Docket?ProjectID=16327>

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