



# Aviation Investigation Final Report

<b>Location:</b>	LONGMONT, Colorado	<b>Accident Number:</b>	DEN87LA223
<b>Date &amp; Time:</b>	August 20, 1987, 09:45 Local	<b>Registration:</b>	N4700M
<b>Aircraft:</b>	PIPER PA-11	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT WAS ATTEMPTING TO LAND HIS RENTED ACFT ON RUNWAY 29 AT LONGMONT MUNICIPAL AIRPORT WHEN THE ACFT TOUCHED DOWN, BOUNCED, VEERED OFF OF THE RUNWAY, STRUCK A VASI LIGHT, AND NOSED OVER.

## 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: LANDING - ROLL

#### Findings

1. (C) FLARE - MISJUDGED - PILOT IN COMMAND
  2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
  3. (C) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND
  4. (F) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

#### Findings

5. (C) OBJECT - APPROACH LIGHT/NAVAID  
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Occurrence #3: NOSE OVER  
Phase of Operation: LANDING - ROLL

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	28, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Center
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1094 hours (Total, all aircraft), 3 hours (Total, this make and model), 957 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N4700M
<b>Model/Series:</b>	PA-11 PA-11	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	11 209
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	December 5, 1986 Annual	<b>Certified Max Gross Wt.:</b>	1220 lbs
<b>Time Since Last Inspection:</b>	90 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	5915 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	C-90
<b>Registered Owner:</b>	JOHNNY D SMITH	<b>Rated Power:</b>	90 Horsepower
<b>Operator:</b>	BOULDER FLYING SERVICE	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 15000 ft AGL	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	27°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	BOULDER , CO (IV5 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	LONGMONT , CO (2V2 )	<b>Type of Clearance:</b>	Special IFR
<b>Departure Time:</b>	09:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	LONGMOUNT MUNIC. 2V2	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	5055 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	29	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4200 ft / 60 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	40.170799,-105.109626(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Tranter, Verlin
<b>Additional Participating Persons:</b>	ALLEN B ROBBINS; AURORA , CO
<b>Original Publish Date:</b>	October 6, 1988
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=17301">https://data.ntsb.gov/Docket?ProjectID=17301</a>

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