



# Aviation Investigation Final Report

<b>Location:</b>	Bloomfield, Iowa	<b>Accident Number:</b>	CHI05LA083
<b>Date &amp; Time:</b>	March 28, 2005, 09:30 Local	<b>Registration:</b>	N6092Q
<b>Aircraft:</b>	Mooney M20E	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	1 Fatal, 1 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The airplane was destroyed upon impact with the ground following an in-flight loss of control. A witness reported seeing the airplane make a right turn, and as it did it "turned vertical with the ground, spun back the other way and the nose went towards the ground. It just did a nose dive." The witness reported that the airplane was at a low altitude. The pilot reported no mechanical malfunctions of the airplane.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain airspeed which resulted in an inadvertent stall/spin. The low altitude was a factor.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: MANEUVERING

### Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
  2. STALL/SPIN - INADVERTENT - PILOT IN COMMAND
  3. (F) ALTITUDE - LOW
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

4. TERRAIN CONDITION - GROUND

## Factual Information

On March 28, 2005, about 0930 central standard time, a Mooney M20E, N6092Q, owned and piloted by a private pilot, was destroyed when it impacted terrain near Bloomfield, Iowa. The airplane had just departed the Bloomfield Municipal Airport (4K6), and was en route to the Jonesboro Municipal Airport (JBR), Jonesboro, Arkansas. The 14 CFR Part 91 personal flight was operating in visual meteorological conditions without a flight plan. The passenger was fatally injured, and the pilot received serious injuries.

According to a report filed by the pilot there were no mechanical malfunctions of the airplane.

A witness reported that he saw the airplane take off to the south and then make a right turn back to the north. The witness reported that the airplane then turned to the east and as it did, it "turned vertical with the ground, spun back the other way and the nose went toward the ground. It just did a nose dive." The witness reported that the airplane was at a low altitude.

Another witness reported hearing the airplane's engine "get very loud. When I turned to look the plane went on it's side and then went straight down."

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	68, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<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 With waivers/limitations	<b>Last FAA Medical Exam:</b>	May 1, 2004
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	January 1, 2004
<b>Flight Time:</b>	1200 hours (Total, all aircraft), 800 hours (Total, this make and model), 2 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Mooney	<b>Registration:</b>	N6092Q
<b>Model/Series:</b>	M20E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	913
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	May 1, 2004 Annual	<b>Certified Max Gross Wt.:</b>	2575 lbs
<b>Time Since Last Inspection:</b>	5 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3807 Hrs at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	IO-360
<b>Registered Owner:</b>	Vern M. Ball	<b>Rated Power:</b>	200 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KOTM,845 ft msl	<b>Distance from Accident Site:</b>	22 Nautical Miles
<b>Observation Time:</b>	10:53 Local	<b>Direction from Accident Site:</b>	0°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	220°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.73 inches Hg	<b>Temperature/Dew Point:</b>	14°C / 2°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Bloomfield, IA (4K6)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	JONESBORO, AR (JBR)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	09:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	BLOOMFIELD MUNI 4K6	<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>	888 ft msl	<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>		<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Serious	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>	1 Fatal	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Fatal, 1 Serious	<b>Latitude, Longitude:</b>	40.732223,-92.428337

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Brannen, John
<b>Additional Participating Persons:</b>	Joseph Quiring; FAA; Des Moines, IA
<b>Original Publish Date:</b>	July 31, 2006
<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=61268">https://data.ntsb.gov/Docket?ProjectID=61268</a>

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