



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	BOWLING GREEN, OH	<b>Accident Number:</b>	CHI82FA144
<b>Date &amp; Time:</b>	05/01/1982, 1043 EDT	<b>Registration:</b>	N40999
<b>Aircraft:</b>	PIPER PA-28-140	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	4 Fatal
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

THE PILOT STARTED HIS TAKEOFF WITH THE AIRCRAFT ABOUT 198 LBS OVER ITS MAXIMUM GROSS WEIGHT LIMIT. THE PLANE WAS OBSERVED TO LIFT OFF NEAR THE DEPARTURE END OF THE RUNWAY, THEN CONTINUE IN A NOSE HIGH ATTITUDE. SOME WITNESSES OBSERVED THE WINGS ROCKING OR WOBBLING AND/OR THE FUSELAGE FISHTAILING. REPORTEDLY, IT GAINED SOME ALTITUDE, THEN SETTLED INTO AN APARTMENT BUILDING. DURING IMPACT, AN EXPLOSION OCCURRED AND THE AIRCRAFT AND BUILDING WERE ENGULFED IN FLAMES. ALL BUT 1 WITNESS REPORTED THAT THE ENGINE SOUNDED NORMAL.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

1. (C) PREFLIGHT PLANNING/PREPARATION - IMPROPER - PILOT IN COMMAND
2. (C) AIRCRAFT WEIGHT AND BALANCE - IMPROPER - PILOT IN COMMAND
3. (C) AIRSPEED - NOT OBTAINED - PILOT IN COMMAND
4. (C) STALL - INADEQUATE - PILOT IN COMMAND
5. LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

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Occurrence #2: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

6. (F) OBJECT - RESIDENCE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	23, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Unknown
<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>	
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	06/04/1981
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	80 hours (Total, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N40999
<b>Model/Series:</b>	PA-28-140 PA-28-140	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	287425200
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2150 lbs
<b>Time Since Last Inspection:</b>	0 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3398 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>		<b>Engine Model/Series:</b>	O-320-E3D
<b>Registered Owner:</b>	MIKE JACOBS	<b>Rated Power:</b>	150 hp
<b>Operator:</b>	DAVID LANKENAU	<b>Operating Certificate(s) Held:</b>	

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	Unknown / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	68° C / 0° C
Precipitation and Obscuration:			
Departure Point:	BOWLING GREEN, OH (1G0)	Type of Flight Plan Filed:	None
Destination:	COLUMBUS, OH	Type of Clearance:	None
Departure Time:	0000	Type of Airspace:	

## Airport Information

Airport:	WOOD COUNTY (1G0)	Runway Surface Type:	Asphalt
Airport Elevation:	0 ft	Runway Surface Condition:	Dry
Runway Used:	24	IFR Approach:	None
Runway Length/Width:	2784 ft / 50 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	3 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	4 Fatal	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	Report Date:	05/01/1983
Additional Participating Persons:		
Publish Date:		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .	

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).