



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Dover, AR	<b>Accident Number:</b>	CEN10CA361
<b>Date &amp; Time:</b>	06/02/2010, 1645 CDT	<b>Registration:</b>	N7686K
<b>Aircraft:</b>	PIPER PA-20	<b>Aircraft Damage:</b>	Minor
<b>Defining Event:</b>	Collision with terr/obj (non-CFIT)	<b>Injuries:</b>	1 Serious, 1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

According to a written statement provided by the pilot to a Federal Aviation Administration (FAA) inspector, the airplane hit a deer during the takeoff roll from a private grass strip. The airplane was unable to clear the trees at the end of the runway, impacted the tree tops, and came to rest on the far side of the trees. Both main landing gear were spread out and the propeller was bent. An examination of the airframe and its systems, conducted by the FAA, revealed minor damage and no mechanical anomalies. The pilot confirmed that there were no mechanical anomalies with the airplane. On June 30, 2010, the Safety Board was notified, by the passenger, that he had sustained serious injuries during the accident. The passenger also elaborated that the airplane had not impacted a deer; however, the airplane had an "extremely long" takeoff roll and had impacted the tree tops at the departure end of the runway prior to impacting the ground. The pilot did not submit the Pilot Operator Aircraft Accident/Incident Report form 6120.1/2, as requested multiple times by the Safety Board.

## 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 clearance from the trees during takeoff.

## Findings

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Personnel issues	Aircraft control - Pilot (Cause)
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## Factual Information

### History of Flight

Takeoff	Collision with terr/obj (non-CFIT) (Defining event)
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### Pilot Information

Certificate:	Commercial	Age:	60, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	05/19/2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	05/19/2008
Flight Time:	3100 hours (Total, all aircraft), 120 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	PIPER	Registration:	N7686K
Model/Series:	PA-20	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	20-508
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:	Not installed	Engine Model/Series:	O-290
Registered Owner:	RCSC ENTERPRISES LLC	Rated Power:	125 hp
Operator:	On file	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KRUE, 404 ft msl	Observation Time:	1653 CDT
Distance from Accident Site:	9 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	180°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 5500 ft agl	Temperature/Dew Point:	33°C / 21°C
Lowest Ceiling:		Visibility	10 Miles
Wind Speed/Gusts, Direction:	3 knots, 190°	Visibility (RVR):	
Altimeter Setting:	29.73 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	Dover, AR (AR89)	Type of Flight Plan Filed:	None
Destination:	Dover, AR (AR89)	Type of Clearance:	None
Departure Time:	1645 CDT	Type of Airspace:	

## Airport Information

Airport:	Landers Loop - Dover, Arkansas (AR89)	Runway Surface Type:	Grass/turf
Airport Elevation:	7283 ft	Runway Surface Condition:	
Runway Used:	20	IFR Approach:	None
Runway Length/Width:	2100 ft / 100 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Minor
Passenger Injuries:	1 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious, 1 None		

## Administrative Information

Investigator In Charge (IIC):	Jennifer Rodi	Adopted Date:	12/20/2010
Additional Participating Persons:	David Hall; FAA Flight Standards District Office; Little Rock, AR		
Publish Date:	12/20/2010		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76485">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76485</a>		

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