



# National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Alamogordo, NM	<b>Accident Number:</b>	DEN06CA031
<b>Date &amp; Time:</b>	01/02/2006, 1015 MST	<b>Registration:</b>	N37814
<b>Aircraft:</b>	Culver Cadet LCA	<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		

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The pilot reported that after takeoff from runway 31, the airplane climbed to approximately 75 feet above ground level and encountered a downdraft. The airplane impacted the runway, separating the main landing gear. The right wing spar was bent and crushed aft, and the fuselage bulkhead at the left wing attach point was crushed. An examination of the airplane's systems revealed no anomalies. Prior to departure, the pilot estimated the wind as 280 degrees at 15 knots. After the accident, a hand held wind meter recorded the winds at 8 knots, gusting to 18 knots.

## Pilot Information

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<b>Certificate:</b>	Airline Transport; Flight Instructor	<b>Age:</b>	56, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 With Waivers/Limitations	<b>Last FAA Medical Exam:</b>	11/01/2005
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	09/01/2005
<b>Flight Time:</b>	11000 hours (Total, all aircraft), 67 hours (Total, this make and model), 9000 hours (Pilot In Command, all aircraft), 138 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Make:	Culver	Registration:	N37814
Model/Series:	Cadet LCA	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:		Serial Number:	323
Landing Gear Type:	Retractable - Tailwheel	Seats:	2
Date/Type of Last Inspection:	12/01/2005, Annual	Certified Max Gross Wt.:	1305 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	895 Hours at time of accident	Engine Manufacturer:	Franklin
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	4AC-199-E3
Registered Owner:	On file	Rated Power:	90 hp
Operator:	On file	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ALM, 4200 ft msl	Distance from Accident Site:	20 Nautical Miles
Observation Time:	1511 MST	Direction from Accident Site:	150°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.18 inches Hg	Temperature/Dew Point:	13° C / -12° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Timberon Airf., NM (52NM)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1015 MST	Type of Airspace:	

## Airport Information

Airport:	Timberon Airport (52NM)	Runway Surface Type:	Gravel
Airport Elevation:	6940 ft	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Minor	<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>	32.641667, -105.708333

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jennifer S Kaiser
<b>Additional Participating Persons:</b>	Jim Malecha; FAA Flight Standards District Office; Albuquerque, NM
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	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:pubinquiry@ntsb.gov">pubinquiry@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> .