



Aviation Investigation Final Report

Location:	Santa Fe, New Mexico	Accident Number:	DFW08CA109
Date & Time:	April 19, 2008, 19:00 Local	Registration:	N23845
Aircraft:	Beech C23	Aircraft Damage:	Substantial
Defining Event:	Landing gear collapse	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The 170-hour student pilot was performing closed traffic pattern practice takeoff and landing procedures. The student stated that he had performed 8 successful touch and go landings without incident. The next landing was intended to be a full stop landing. He stated that he flared and attempted to keep the airplane off the runway to slow his airspeed, then reduced power too quickly and the airplane touched down hard and bounced. The student pilot then "forced the nose forward" and touched down hard on the nose gear. The aircraft slid to a stop and remained on the runway. The aircraft was substantially damaged when the nose gear collapsed and both propeller blades struck the runway. The pilot, sole occupant, was not injured and was able to egress unassisted. Weather at the airport approximately 10 minutes prior to the landing was, wind 270 degrees at 16 knots, temperature 22 degrees Celsius and dew point 18 degrees Celsius.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper recovery from a bounced landing.

Findings

Aircraft	Nose/tail landing gear - Capability exceeded
Personnel issues	Lack of action - Student/instructed pilot

Factual Information

History of Flight

Landing-flare/touchdown	Landing gear collapse (Defining event)
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Pilot Information

Certificate:	Student	Age:	46, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	March 1, 2007
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	170 hours (Total, all aircraft), 90 hours (Total, this make and model), 170 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N23845
Model/Series:	C23	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	M-1997
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	March 1, 2008 Annual	Certified Max Gross Wt.:	2450 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4274 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	O-360-A4K
Registered Owner:	Mansion Ridge Investment Co. LLC	Rated Power:	180 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:	Mansion Ridge Investment Co. LLC	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KSAF, 6348 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	18:53 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	16 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.81 inches Hg	Temperature/Dew Point:	20°C / 18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Santa Fe, NM (KSAF)	Type of Flight Plan Filed:	None
Destination:	Santa Fe, NM (KSAF)	Type of Clearance:	None
Departure Time:	18:00 Local	Type of Airspace:	

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	35.616943,-106.089447

Administrative Information

Investigator In Charge (IIC):	Gamble, William
Additional Participating Persons:	John Wagner; Albuquerque, NM
Original Publish Date:	May 28, 2008
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=67860

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