



Aviation Investigation Final Report

Location:	Caldwell, Idaho	Accident Number:	WPR20CA048
Date & Time:	December 18, 2019, 11:30 Local	Registration:	N1107C
Aircraft:	Piper PA22	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The solo student pilot reported that, during landing, the airplane bounced and entered a nose-high attitude. The student aborted the landing, applied full engine power, pushed the nose down while leveling the wings, and then applied left rudder to crab the airplane into the wind. The airplane touched down again with its longitudinal axis not aligned with the runway. The airplane veered left and exited the runway. The right main landing gear collapsed, and the airplane came to rest upright in the soft, dirt terrain. The airplane sustained substantial damage to the right wing and fuselage. The student reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

Probable Cause and Findings

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

The student pilot's failure to establish a positive climb rate during an aborted landing, which resulted in abnormal runway contact, a subsequent loss of directional control, runway excursion, and the right main landing gear collapsing.

Findings

Aircraft	Pitch control - Not attained/maintained
Personnel issues	Aircraft control - Student/instructed pilot

Factual Information

History of Flight

Landing-aborted after touchdown	Abnormal runway contact
Landing-aborted after touchdown	Loss of control on ground (Defining event)
Landing-aborted after touchdown	Runway excursion
Landing-aborted after touchdown	Landing gear collapse
Landing-aborted after touchdown	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Student	Age:	67, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	June 4, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	1282 hours (Total, all aircraft), 34 hours (Total, this make and model), 1224 hours (Pilot In Command, all aircraft), 15 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N1107C
Model/Series:	PA22 135	Aircraft Category:	Airplane
Year of Manufacture:	1953	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-953
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	October 2, 2019 Annual	Certified Max Gross Wt.:	1951 lbs
Time Since Last Inspection:	16 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3646 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91 installed, not activated	Engine Model/Series:	O-290-D
Registered Owner:	On file	Rated Power:	135 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KEUL,2431 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	19:56 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	80°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.11 inches Hg	Temperature/Dew Point:	1°C / -9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Caldwell, ID (EUL)	Type of Flight Plan Filed:	None
Destination:	Caldwell, ID (EUL)	Type of Clearance:	None
Departure Time:	11:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	CALDWELL INDUSTRIAL EUL	Runway Surface Type:	Asphalt
Airport Elevation:	2431 ft msl	Runway Surface Condition:	Dry
Runway Used:	12	IFR Approach:	None
Runway Length/Width:	5500 ft / 100 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

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:	43.64389,-116.636947

Administrative Information

Investigator In Charge (IIC):	Cawthra, Joshua
Additional Participating Persons:	Keith Rittenberry; Federal Aviation Administration; Boise, ID
Original Publish Date:	June 16, 2020
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=100708

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