



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Edgewood, NM	<b>Accident Number:</b>	GAA17CA357
<b>Date &amp; Time:</b>	06/20/2017, 1700 MST	<b>Registration:</b>	N88237
<b>Aircraft:</b>	BELLANCA 7GCBC	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Hard landing	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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The pilot reported that, about 8 seconds into the takeoff roll in gusting wind conditions at high density altitude, the airplane "suddenly and expectantly lifted off the runway in a steep angle of attack." He added that, he immediately reduced power to idle to abort the initial climb, and the airplane "settled back onto the runway but landed hard." He further added that, during the landing roll, directional control was lost and the airplane veered off the runway, coming to rest in the dirt alongside the runway.

The fuselage, left wing, and aileron sustained substantial damage.

The pilot reported that there were no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

An automated weather observation station, 10 nautical miles southeast of the accident airport, 5 minutes before the accident, reported the wind from 150° at 16 knots, gusting 25 knots. The pilot reported that he observed the wind from 300° at 8 knots, gusting to 15 knots. He reported that the takeoff was on runway 9. He further reported that the density altitude was 10,000 ft. at the departure airport.

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	56, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Without Waivers/Limitations	<b>Last FAA Medical Exam:</b>	08/12/2016
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	01/04/2017
<b>Flight Time:</b>	(Estimated) 810 hours (Total, all aircraft), 150 hours (Total, this make and model), 780 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BELLANCA	<b>Registration:</b>	N88237
<b>Model/Series:</b>	7GCBC NO SERIES	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1974	<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Aerobatic	<b>Serial Number:</b>	744-74
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	12/21/2016, Annual	<b>Certified Max Gross Wt.:</b>	1650 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1390 Hours at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	C91 installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-320
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	150 hp
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	K0E0, 6204 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	2355 UTC	Direction from Accident Site:	140°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	16 knots / 25 knots	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	150°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.15 inches Hg	Temperature/Dew Point:	33° C / 7° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	EDGEWOOD, NM (1N1)	Type of Flight Plan Filed:	None
Destination:	EDGEWOOD, NM (1N1)	Type of Clearance:	None
Departure Time:	1700 MST	Type of Airspace:	Class G

## Airport Information

Airport:	SANDIA AIRPARK ESTATES EAST (1N1)	Runway Surface Type:	Asphalt
Airport Elevation:	6565 ft	Runway Surface Condition:	Dry
Runway Used:	9	IFR Approach:	None
Runway Length/Width:	4830 ft / 30 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	35.094722, -106.164444 (est)

## Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt
Additional Participating Persons:	Geary Monckton; FAA/ FSDO; Albuquerque, NM
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=95419">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=95419</a>