



National Transportation Safety Board Aviation Accident Final Report

Location:	ALBUQUERQUE, NM	Accident Number:	DEN89LA113
Date & Time:	05/02/1989, 1415 MDT	Registration:	N9121L
Aircraft:	BELLANCA 7ECA	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PVT PLT WAS COMPLETING A X-COUNTRY FLT WHEN THE ACCIDENT OCCURRED. HE SAID THAT HE HAD TO SWITCH RUNWAYS BECAUSE OF GUSTING AND VARIABLE WINDS. HE SELECTED RWY 21, A 3,100 X 40 FT ASPHALT RWY. THE TOUCHDOWN SEEMED NORMAL BUT THE PLT SAID HE HAD TO USE FULL RIGHT RUDDER THEN FULL LEFT RUDDER TO MAINTAIN DIRECTIONAL CONTROL. THE PLT SAID THAT A SUDDEN GUST FROM THE LEFT AND REAR OF THE ACFT BLEW DUST AND WEEDS ACROSS THE RWY AND LIFTED THE TAIL OF THE ACFT. THE ACFT CAME TO REST INVERTED AND TO THE RIGHT OF THE RWY.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: INADEQUATE COMPENSATION FOR THE WIND CONDITIONS BY THE PILOT, RESULTING IN A LOSS OF CONTROL DURING LANDING ROLL. VARIABLE AND GUSTING WINDS ARE CONSIDERED A CONTRIBUTING FACTOR.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (F) WEATHER CONDITION - TAILWIND
3. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND

Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Private	Age:	62, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/25/1988
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	341 hours (Total, all aircraft), 285 hours (Total, this make and model), 42 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELLANCA	Registration:	N9121L
Model/Series:	7ECA 7ECA	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:		Serial Number:	802-71
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1776 lbs
Time Since Last Inspection:	0 Hours	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-235-C1
Registered Owner:		Rated Power:	115 hp
Operator:	RAINBOW AERO INC.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	50 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots / 20 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	24° C / -18° C
Precipitation and Obscuration:			
Departure Point:	SANTE FE, NM (SAF)	Type of Flight Plan Filed:	None
Destination:	(4AC)	Type of Clearance:	None
Departure Time:	1230 MDT	Type of Airspace:	

Airport Information

Airport:	COLORADO (4AC)	Runway Surface Type:	Asphalt
Airport Elevation:	5275 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	3500 ft / 40 ft	VFR Approach/Landing:	Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	ROBERT B COLLINS	Report Date:	08/22/1990
Additional Participating Persons:			
Publish Date:			
Investigation Docket:	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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).