



Aviation Investigation Final Report

Location:	CRIPPLE CREEK, Colorado	Accident Number:	DEN87LA171
Date & Time:	July 5, 1987, 12:30 Local	Registration:	N112U
Aircraft:	SOCATA TB-10	Aircraft Damage:	Substantial
Defining Event:		Injuries:	3 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THIS ACFT OCCURRED WHEN THE PLT ATTEMPTED TO TAKEOFF ON A 2600 FT LONG RWY WHEN THE DENSITY ALTITUDE WAS ABOUT 13,500 FT. THE ACFT OVERRAN THE RWY AND COLLIDED WITH A HIGHWAY. THE PLT SAID THAT THE FIELD WAS TOO HIGH AND TOO SHORT AND IT WAS TOO HOT.

Probable Cause and Findings

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

Findings

Occurrence #1: OVERRUN
Phase of Operation: TAKEOFF - ROLL/RUN

- Findings
1. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE
 2. (C) PERFORMANCE DATA - DISREGARDED - PILOT IN COMMAND
 3. (C) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

4. TERRAIN CONDITION - ROADWAY/HIGHWAY

Factual Information

Pilot Information

Certificate:	Private	Age:	53, Male
Airplane Rating(s):	Single-engine land	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 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	March 13, 1986
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	113 hours (Total, all aircraft), 6 hours (Total, this make and model), 51 hours (Pilot In Command, all aircraft), 29 hours (Last 90 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	SOCATA	Registration:	N112U
Model/Series:	TB-10 TB-10	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	604
Landing Gear Type:	Tricycle	Seats:	5
Date/Type of Last Inspection:	May 18, 1987 100 hour	Certified Max Gross Wt.:	3000 lbs
Time Since Last Inspection:	5 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	187 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed	Engine Model/Series:	O-360-AIAD
Registered Owner:	J.	Rated Power:	180 Horsepower
Operator:	ASPEN FLYING CLUB	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	50 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	24°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	VFR
Destination:	ENGLEWOOD , CO (APA)	Type of Clearance:	None
Departure Time:	12:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	GILLETT COUNTY	Runway Surface Type:	Grass/turf;Gravel
Airport Elevation:	10200 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	2600 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	2 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 Minor	Latitude, Longitude:	38.739215,-105.169517(est)

Administrative Information

Investigator In Charge (IIC):	Johnson, Robert
Additional Participating Persons:	BLAINE ROBBINS; AURORA , CO
Original Publish Date:	July 5, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=17260

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