



Aviation Investigation Final Report

Location:	BRIGHAM CITY, Utah	Accident Number:	SEA93LA117
Date & Time:	May 21, 1993, 09:55 Local	Registration:	N8589K
Aircraft:	STINSON 108-1	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal, 2 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PIC INITIATED A TAKEOFF FROM A RUNWAY INTERSECTION, LIFTED OFF PREMATURELY, AND THE ACFT SETTLED BACK ONTO THE RUNWAY. THE PIC CONTINUED THE TAKEOFF AND LIFTED OFF AT THE END OF THE RUNWAY. THE ACFT SETTLED SLIGHTLY AFTER TAKEOFF AND BEGAN A SHALLOW CLIMB. WHEN THE ACFT APPROACHED POWER LINES AT AN ALTITUDE TOO LOW TO CLEAR THE WIRES, THE PILOT ATTEMPTED TO TURN TO AVOID IMPACT. THE LEFT WING STRUCK POWER LINES LOCATED ABOUT 2500 FT FROM THE END OF THE RUNWAY, AND THE ACFT DESCENDED UNCONTROLLED AND IMPACTED THE GROUND.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PREMATURE LIFTOFF BY THE PIC AND HIS FAILURE TO ATTAIN PROPER RATE OF CLIMB. FACTORS RELATING TO THE ACCIDENT WERE THE GUSTY CROSSWIND WEATHER CONDITIONS, THE FAILURE OF THE PIC TO USE ALL AVAILABLE RUNWAY, AND TRANSMISSION WIRES.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (F) WEATHER CONDITION - GUSTS
3. (F) ALL AVAILABLE RUNWAY - NOT USED - PILOT IN COMMAND
4. (C) LIFT-OFF - PREMATURE - PILOT IN COMMAND
5. (F) OBJECT - WIRE, TRANSMISSION
6. (C) PROPER CLIMB RATE - NOT ATTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Private	Age:	27, 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:	Yes
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	March 26, 1993
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	127 hours (Total, all aircraft), 31 hours (Total, this make and model), 83 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	STINSON	Registration:	N8589K
Model/Series:	108-1 108-1	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal; Utility	Serial Number:	108-1589
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	January 21, 1993 Annual	Certified Max Gross Wt.:	2230 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1856 Hrs	Engine Manufacturer:	FRANKLIN
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	6A4-150-B3
Registered Owner:	BOREN, ROLAND K.	Rated Power:	150 Horsepower
Operator:	BOREN, ROLAND K.	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:	OGD ,4470 ft msl	Distance from Accident Site:	18 Nautical Miles
Observation Time:	09:45 Local	Direction from Accident Site:	170°
Lowest Cloud Condition:	Unknown / 8000 ft AGL	Visibility	30 miles
Lowest Ceiling:	Broken / 8000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	22°C / 11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:	OGDEN , UT (OGD)	Type of Clearance:	None
Departure Time:	09:54 Local	Type of Airspace:	Class G

Airport Information

Airport:	BRIGHAM CITY MUNICIPAL BMC	Runway Surface Type:	Asphalt
Airport Elevation:	4226 ft msl	Runway Surface Condition:	Dry
Runway Used:	16	IFR Approach:	
Runway Length/Width:	5500 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	2 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal, 2 Minor	Latitude, Longitude:	41.509693,-112.039855(est)

Administrative Information

Investigator In Charge (IIC):	Mangum, Prentiss
Additional Participating Persons:	MARK RUSHTON; SALT LAKE CITY , UT
Original Publish Date:	November 3, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=43030

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