



# Aviation Investigation Final Report

<b>Location:</b>	HELENA, Montana	<b>Accident Number:</b>	DEN82DA179
<b>Date &amp; Time:</b>	August 30, 1982, 13:45 Local	<b>Registration:</b>	CFSPV
<b>Aircraft:</b>	BEECH A23-19	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

ACCORDING TO A WITNESS, THE PILOT WAS ATTEMPTING TO LAND ON A DIRT ROAD THAT IS ALSO USED AS A LANDING STRIP. THE AIRCRAFT TOUCHED DOWN APPROXIMATELY 1500 FEET AT THE DOWNHILL END OF THE RUNWAY, BALLOONED BY A WIND GUST AND MOVED TO THE EAST EXTREME OF THE RUNWAY. THE PILOT ADDED POWER AND TOUCHED DOWN AGAIN AND BALLOONED. THE PILOT STATED THAT HE DID NOT HAVE ENOUGH DISTANCE TO STOP BEFORE THE END OF THE RUNWAY. HE APPLIED POWER TO AVOID A DITCH AND LANDED IN A FIELD. THE PILOT ESTIMATED THAT THE WIND WAS FROM 300 DEG AT 8 GUSTING 20 KTS.

## 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: LANDING - ROLL

#### Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (F) WEATHER CONDITION - GUSTS
3. (C) COMPENSATION FOR WIND CONDITIONS - IMPROPER - PILOT IN COMMAND
4. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND

- 5. (C) AIRSPEED - MISJUDGED - PILOT IN COMMAND
- 6. (C) GO-AROUND - NOT PERFORMED - PILOT IN COMMAND

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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: LANDING

Findings

- 7. (F) TERRAIN CONDITION - DITCH
- 8. (F) TERRAIN CONDITION - ROUGH/UNEVEN
- 9. MANEUVER - PERFORMED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	44, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	August 8, 1982
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1825 hours (Total, all aircraft), 953 hours (Total, this make and model), 1825 hours (Pilot In Command, all aircraft), 69 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BEECH	<b>Registration:</b>	CFSPV
<b>Model/Series:</b>	A23-19 A23-19	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	MB74
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2200 lbs
<b>Time Since Last Inspection:</b>	69 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2403 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	O-320-E2C
<b>Registered Owner:</b>	BEN MASK	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>	CLIFF MASK	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	HLN	<b>Distance from Accident Site:</b>	8 Nautical Miles
<b>Observation Time:</b>	18:54 Local	<b>Direction from Accident Site:</b>	140°
<b>Lowest Cloud Condition:</b>	Scattered / 4000 ft AGL	<b>Visibility</b>	40 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	300°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	69°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	HELENA , MT (HLN )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	WILHELM RANCH , MT	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:35 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	WILHELM RANCH	<b>Runway Surface Type:</b>	Dirt
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	35	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	4000 ft / 0 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	46.530456,-112.210441(est)

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** August 30, 1983

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=71005>

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