



# Aviation Investigation Final Report

<b>Location:</b>	TALKEETNA, Alaska	<b>Accident Number:</b>	ANC92LA026
<b>Date &amp; Time:</b>	December 8, 1991, 13:43 Local	<b>Registration:</b>	N9765T
<b>Aircraft:</b>	PIPER PA-38	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

JUST AFTER LIFT OFF THE AIRPLANE'S WINGS ROCKED LEFT AND RIGHT SEVERAL TIMES. THE PILOT ABORTED THE TAKEOFF AND THE AIRPLANE LANDED HARD ON AN APPROXIMATE 30 DEGREE HEADING FROM THAT OF THE RUNWAY, THEN SKIDDED OFF THE RUNWAY. A WITNESS BY THE RUNWAY STATED THAT THE PILOT APPEARED TO BE HAVING TROUBLE KEEPING THE AIRPLANE ALIGNED WITH THE RUNWAY BOTH ON THE GROUND AND IN THE AIR.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S IMPROPER FLARE FOLLOWING AN ABORTED TAKEOFF, WHICH RESULTED IN A HARD LANDING AND THE SUBSEQUENT LOSS OF CONTROL OF THE AIRPLANE. CONTRIBUTING TO THE ACCIDENT WAS THE PILOT'S LACK OF TOTAL EXPERIENCE IN THE TYPE OF OPERATION.

## Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

### Findings

1. (C) FLARE - IMPROPER - PILOT IN COMMAND
2. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND

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Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	55, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<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 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	May 3, 1991
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	91 hours (Total, all aircraft), 82 hours (Total, this make and model), 53 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N9765T
<b>Model/Series:</b>	PA-38 PA-38	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	78A0194
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	November 27, 1991 Annual	<b>Certified Max Gross Wt.:</b>	1670 lbs
<b>Time Since Last Inspection:</b>	14 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1977 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-235-L2C
<b>Registered Owner:</b>	ULMER, INC.	<b>Rated Power:</b>	112 Horsepower
<b>Operator:</b>	ULMER, INC.	<b>Operating Certificate(s) Held:</b>	On-demand air taxi (135)
<b>Operator Does Business As:</b>	VERNAIR	<b>Operator Designator Code:</b>	INXA

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	TKA ,358 ft msl	<b>Distance from Accident Site:</b>	1 Nautical Miles
<b>Observation Time:</b>	13:56 Local	<b>Direction from Accident Site:</b>	270°
<b>Lowest Cloud Condition:</b>	Scattered / 6000 ft AGL	<b>Visibility</b>	60 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	-12°C / -13°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	TALKEETNA , AK (TKA )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	ANCHORAGE , AK (MRI )	<b>Type of Clearance:</b>	Traffic advisory
<b>Departure Time:</b>	13:43 Local	<b>Type of Airspace:</b>	Airport advisory area

## Airport Information

<b>Airport:</b>	TALKEETNA TKA	<b>Runway Surface Type:</b>	Snow
<b>Airport Elevation:</b>	358 ft msl	<b>Runway Surface Condition:</b>	Snow
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3500 ft / 75 ft	<b>VFR Approach/Landing:</b>	None

## 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>	62.449146,-149.789566(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Daw, Roy
<b>Additional Participating Persons:</b>	ANNE GRAHAM; ANCHORAGE , AK
<b>Original Publish Date:</b>	March 9, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=5682">https://data.nts.gov/Docket?ProjectID=5682</a>

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