



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	OLIVER SPRINGS, TN	<b>Accident Number:</b>	ATL87LA103
<b>Date &amp; Time:</b>	04/01/1987, 1751 EST	<b>Registration:</b>	N2510Y
<b>Aircraft:</b>	CESSNA 172D	<b>Injuries:</b>	1 Serious
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

THE PLT REPORTED THAT THE ACFT ENCOUNTERED HEAVY TURBULENCE AND A STRONG GUSTY X-WIND CLOSE TO THE GROUND WHILE ON SHORT FINAL TO HIS PRIVATE AIRSTRIP. THE PLT ATTEMPTED A GO-AROUND AND ENCOUNTERED 'EXTREMELY HEAVY TURBULENCE' DURING A TURNING CLIMBOUT THROUGH AND OVER MOUNTAINOUS TERRAIN. THE ACFT SUBSEQUENTLY FELL BELOW A RIDGE INTO A HOLLOW WHERE IT IMPACTED TREES.

## Probable Cause

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

## Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER  
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

### Findings

1. (F) WEATHER CONDITION - TURBULENCE
2. (F) WEATHER EVALUATION - POOR - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: GO-AROUND (VFR)

### Findings

3. (F) WEATHER CONDITION - UNFAVORABLE WIND
4. (F) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
5. GO-AROUND - ATTEMPTED - PILOT IN COMMAND
6. (C) STALL/MUSH

## Pilot Information

Certificate:	Private	Age:	37
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	2629 hours (Total, all aircraft), 643 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2510Y
Model/Series:	172D 172D	Engines:	1 Reciprocating
Operator:	EDDIE T. SEAVERS	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300-C
Flight Conducted Under:	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	TYS, 930 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	10 knots / , 240°
Temperature:	12° C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	Destination: ROCKWOOD, TN (RKW)		

## Airport Information

Airport:	BROKEN S. RANCH	Runway Surface Type:	Dirt
Runway Used:	0	Runway Surface Condition:	Dry
Runway Length/Width:	1460 ft		

## Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC): SCOTT STRICKLAND Adopted Date: 05/02/1988

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](mailto: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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