



# Aviation Investigation Final Report

<b>Location:</b>	FLORISSANT, Colorado	<b>Accident Number:</b>	DEN84LA056
<b>Date &amp; Time:</b>	December 30, 1983, 14:45 Local	<b>Registration:</b>	N3389D
<b>Aircraft:</b>	CESSNA 180	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE ACFT COLLIDED WITH A SNOWBANK DURING LANDING. THE RWY HAD ONLY BEEN PLOWED TO A WIDTH OF ABOUT 16 FT ACCORDING TO THE PLT. THIS WAS A PRIVATELY OWNED STRIP AND THE PLT/OWNER SAID HE INSTRUCTED HIS MAINTENANCE MAN/RANCH MGR TO PLOW THERWY TO MINIMUM WIDTH. THE PLT SAID THAT DURING THE LANDING ROLL THE RIGHT LANDING GEAR HIT THE SNOW ALONGSIDE THE STRIPCAUSING A NOSE OVER. THE PLT HAD JUST DEPARTED THIS STRIP AND RETURNED TO GET SOME CAR KEYS WHEN THE ACCIDENT OCCURRED.

## Probable Cause and Findings

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

### Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

#### Findings

1. (C) AIRPORT SNOW REMOVAL - INADEQUATE
2. FLIGHT TO ALTERNATE DESTINATION - NOT PERFORMED - PILOT IN COMMAND
3. (F) TERRAIN CONDITION - SNOWBANK
4. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - SELECTED - PILOT IN COMMAND

Occurrence #2: NOSE OVER  
Phase of Operation: LANDING - ROLL

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	36, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<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>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	May 9, 1983
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	152 hours (Total, all aircraft), 138 hours (Total, this make and model), 102 hours (Pilot In Command, all aircraft), 72 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N3389D
<b>Model/Series:</b>	180 180	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	32187
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	October 1, 1983 100 hour	<b>Certified Max Gross Wt.:</b>	2550 lbs
<b>Time Since Last Inspection:</b>	50 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3284 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-470-K
<b>Registered Owner:</b>	GRACE MAYFIELD	<b>Rated Power:</b>	230 Horsepower
<b>Operator:</b>		<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>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	50 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	13°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	FT COLLINS , CO (3V5)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	14:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	Dirt
<b>Airport Elevation:</b>	8400 ft msl	<b>Runway Surface Condition:</b>	Snow
<b>Runway Used:</b>	18	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2200 ft / 15 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	4 None	<b>Latitude, Longitude:</b>	39.789604,-104.959304(est)

## Administrative Information

**Investigator In Charge (IIC):**      Winningham, Fred

**Additional Participating  
Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:**           <https://data.nts.gov/Docket?ProjectID=16312>

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