



# Aviation Investigation Final Report

<b>Location:</b>	WIMBERLEY, Texas	<b>Accident Number:</b>	FTW82DA270
<b>Date &amp; Time:</b>	July 3, 1982, 15:30 Local	<b>Registration:</b>	N6446Q
<b>Aircraft:</b>	MOONEY M20F	<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

THE PILOT STATED THAT DURING A LANDING, THE TOUCHDOWN WAS MADE NEAR THE INTENDED POINT, BUT THE AIRCRAFT DID NOT DECELERATE AS RAPIDLY AS EXPECTED. HE ALSO STATED THAT HEAVY BRAKING WAS INITIATED, BUT BY THEN IT BECAME EVIDENT THAT THE AIRCRAFT COULD NOT BE STOPPED IN TIME TO PREVENT DEPARTING THE RUNWAY, AND ALSO, IT WAS TOO LATE TO TO GO AROUND. THE PILOT THEN TURNED THE AIRCRAFT TO THE RIGHT AND DEPARTED THE RUNWAY. THE AIRCRAFT COLLIDED WITH BRUSH AND DIRT MOUNDS AND WAS DAMAGED.

## 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. (C) AIRSPEED - MISJUDGED - PILOT IN COMMAND
  2. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND
  3. (F) GO-AROUND - NOT PERFORMED - PILOT IN COMMAND
  4. (F) BRAKES(NORMAL) - DELAYED - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: LANDING - ROLL

Findings

5. (F) TERRAIN CONDITION - HIGH VEGETATION
6. (F) TERRAIN CONDITION - DIRT BANK/RISING EMBANKMENT

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	21, 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 3 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	August 4, 1980
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	132 hours (Total, all aircraft), 13 hours (Total, this make and model), 73 hours (Pilot In Command, all aircraft), 17 hours (Last 90 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	MOONEY	<b>Registration:</b>	N6446Q
<b>Model/Series:</b>	M20F M20F	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	670525
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2740 lbs
<b>Time Since Last Inspection:</b>	67 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3632 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO-360-A1A
<b>Registered Owner:</b>	MERVIN YETLEY	<b>Rated Power:</b>	200 Horsepower
<b>Operator:</b>	TEXAS A&M FLYING CLUB	<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>	Scattered / 3500 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	120°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	90°C
<b>Precipitation and Obscuration:</b>	N/A - None - Haze		
<b>Departure Point:</b>	SAN MARCOS , TX	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	WIMBERLEY , TX	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	15:15 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	WOODCREEK RESORT 4XS7	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	14	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	2525 ft / 70 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>	29.989805,-98.100791(est)

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** July 3, 1983

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=73065>

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