



# Aviation Investigation Final Report

<b>Location:</b>	PORTLAND, Texas	<b>Accident Number:</b>	FTW88LA124
<b>Date &amp; Time:</b>	June 24, 1988, 09:45 Local	<b>Registration:</b>	N201ZP
<b>Aircraft:</b>	MOONEY M20J	<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 PILOT DRAGGED THE LOWER EMPENNAGE ON THE RUNWAY DURING THE TAKEOFF ROTATION. A PREMATURE LIFTOFF RESULTED AND THE AIRCRAFT RECONTACTED THE RUNWAY TWICE BEFORE THE AIRCRAFT PASSED THE RUNWAY END. THEREAFTER, THE AIRCRAFT COLLIDED WITH A POWERLINE BEFORE IMPACTING THE TERRAIN. THE PILOT STATED THAT HE FAILED TO PROPERLY POSITION THE ELEVATOR TRIM TAB BEFORE INITIATING THE TAKEOFF GROUND RUN.

## Probable Cause and Findings

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

### Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

#### Findings

1. OBJECT - WIRE, TRANSMISSION
  2. (C) PREFLIGHT PLANNING/PREPARATION - IMPROPER - PILOT IN COMMAND
  3. (C) ELEVATOR TRIM - IMPROPER USE OF - PILOT IN COMMAND
  4. (C) FLIGHT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND
  5. (C) LIFT-OFF - PREMATURE - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: TAKEOFF - INITIAL CLIMB

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	46, 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>	Airplane	<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>	October 2, 1986
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	695 hours (Total, all aircraft), 492 hours (Total, this make and model), 622 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	MOONEY	<b>Registration:</b>	N201ZP
<b>Model/Series:</b>	M20J M20J	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	24-0538
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	June 10, 1987 Annual	<b>Certified Max Gross Wt.:</b>	2740 lbs
<b>Time Since Last Inspection:</b>	34 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1233 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-360-A3B6D
<b>Registered Owner:</b>	JAMES W WINKLE	<b>Rated Power:</b>	200 Horsepower
<b>Operator:</b>	WINKLE, JAMES W.	<b>Operating Certificate(s) Held:</b>	None
<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>	CRP ,44 ft msl	<b>Distance from Accident Site:</b>	7 Nautical Miles
<b>Observation Time:</b>	10:25 Local	<b>Direction from Accident Site:</b>	190°
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	12 miles
<b>Lowest Ceiling:</b>	Broken / 2000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	30°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	(9R5 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	BEAUMONT , TX (BMT )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	09:45 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	HUNT 9R5	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	40 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	14L	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2650 ft / 20 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>	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>	27.870117,-97.319541(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Johnson, J. o.
<b>Additional Participating Persons:</b>	OWEN M RUSSELL; SAN ANTONIO , TX
<b>Original Publish Date:</b>	September 11, 1989
<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=22655">https://data.nts.gov/Docket?ProjectID=22655</a>

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