



# Aviation Investigation Final Report

<b>Location:</b>	Yoakum, Texas	<b>Accident Number:</b>	DFW06CA047
<b>Date &amp; Time:</b>	December 30, 2005, 12:30 Local	<b>Registration:</b>	N5765N
<b>Aircraft:</b>	Mooney M20J	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The 1,559-hour private pilot was on a 247-nautical mile cross-country flight. The pilot reported that prior to arriving at his final destination, the Automated Weather Observing System reported that instrument flight rules (IFR) conditions prevailed throughout the area. He then contacted the local Flight Service Station (FSS) on the radio to inquire about the closest Visual Flight Rules (VFR) weather conditions. The FSS informed the pilot that the nearest location would be at Yoakum, Texas. A Federal Aviation Administration (FAA) Inspector who responded to the accident scene reported that the pilot flew to Yoakum, Texas, and landed "on the latter end of Runway 13" Runway 13 was reported to be a 3,445-feet long by 60-feet wide asphalt runway. The inspector added that after touchdown, the low-wing tricycle gear airplane departed the left side of the runway and traveled approximately 80-yards, up an embankment, through a barbed wire perimeter fence, across a highway and through a second barbed wire fence. The airplane came to rest upright in a pasture. The pilot reported the wind at T85 were light and variable.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's misjudged distance/speed which resulted in an overrun.

## Findings

Occurrence #1: OVERRUN  
Phase of Operation: LANDING - ROLL

## Findings

1. (C) DISTANCE/SPEED - MISJUDGED - PILOT IN COMMAND

## Factual Information

The 1,559-hour private pilot was on a 247-nautical mile cross-country flight. The pilot reported that prior to arriving at his final destination, the Automated Weather Observing System reported that instrument flight rules (IFR) conditions prevailed throughout the area. He then contacted the local Flight Service Station (FSS) on the radio to inquire about the closest Visual Flight Rules (VFR) weather conditions. The FSS informed the pilot that the nearest location would be at Yoakum, Texas. A Federal Aviation Administration (FAA) Inspector who responded to the accident scene reported that the pilot flew to Yoakum, Texas, and landed "on the latter end of Runway 13," which was reported to be a 3,445-foot long by 60-foot wide asphalt runway. The inspector added that after touchdown, the low-wing tricycle gear airplane departed the left side of the runway and traveled approximately 80-yards, up an embankment, through a barbed wire perimeter fence, across a highway and through a second barbed wire fence. The airplane came to rest upright in a pasture. The pilot reported the wind at Yoakum, Texas were light and variable.

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	73, 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 With waivers/limitations	<b>Last FAA Medical Exam:</b>	June 1, 2005
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	July 1, 2005
<b>Flight Time:</b>	1559 hours (Total, all aircraft), 462 hours (Total, this make and model), 10 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Mooney	<b>Registration:</b>	N5765N
<b>Model/Series:</b>	M20J	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	24-1482
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	August 1, 2005 Annual	<b>Certified Max Gross Wt.:</b>	2740 lbs
<b>Time Since Last Inspection:</b>	12 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	665 Hrs at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-360
<b>Registered Owner:</b>	Killebrew, Inc.	<b>Rated Power:</b>	200 Horsepower
<b>Operator:</b>	Milton A. Killebrew	<b>Operating Certificate(s) Held:</b>	None

## 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>	Unknown	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/ None	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Addison, TX (ADS )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Victoria, TX (VCT )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	11:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Yoakum Municipal Airport T85	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	365 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	13	<b>IFR Approach:</b>	Visual
<b>Runway Length/Width:</b>	3445 ft / 60 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>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	29.307777,-97.13639

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Yeager, Leah
<b>Additional Participating Persons:</b>	Doug Idema; Federal Aviation Administration; Houston, TX
<b>Original Publish Date:</b>	April 25, 2006
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=63032">https://data.nts.gov/Docket?ProjectID=63032</a>

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