



# Aviation Investigation Final Report

<b>Location:</b>	JAY, Florida	<b>Accident Number:</b>	MIA83LA211
<b>Date &amp; Time:</b>	August 20, 1983, 16:30 Local	<b>Registration:</b>	N9261G
<b>Aircraft:</b>	CESSNA 188	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

THE PLT REPORTED THAT HE TRIED TO TAKE OFF ON A HOT DAY WITH A HEAVY LOAD, BUT THE ACFT WOULD NOT PERFORM SUFFICIENTLY TO CLIMB OVER A DRAINAGE TERRACE AT THE DEPARTURE END OF THE RWY. THE ACFT BUMPED THE DRAINAGE TERRACE & CONTINUED FLYING, BUT WOULD NOT CLIMB SUFFICIENTLY TO CLEAR TREES NEAR THE END OF THE RWY. THE PLT THEN ELECTED TO ABORT THE TAKEOFF. DURING TOUCHDOWN IN A NEARBY FIELD, THE MAIN GEAR COLLAPSED. APRX 35 MI SOUTH AT PENSACOLA, FL, THE 1557 CDT TEMP WAS 95 DEG. THE DENSITY ALT AT JAY, FL WAS APRX 2400 FT.

## 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 TERRAIN/WATER  
Phase of Operation: TAKEOFF

#### Findings

1. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
2. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE
3. PROPER CLIMB RATE - NOT POSSIBLE - PILOT IN COMMAND
4. (F) TERRAIN CONDITION - DIRT BANK/RISING EMBANKMENT
5. (F) TERRAIN CONDITION - HIGH OBSTRUCTION(S)

6. (F) TERRAIN CONDITION - OPEN FIELD  
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Occurrence #2: MAIN GEAR COLLAPSED  
Phase of Operation: TAKEOFF

Findings

7. LANDING GEAR,MAIN GEAR - OVERLOAD

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	37, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Front
<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 2 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	February 9, 1983
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2739 hours (Total, all aircraft), 2028 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N9261G
<b>Model/Series:</b>	188 188	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Restricted (Special)	<b>Serial Number:</b>	18801441
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	March 1, 1983 Annual	<b>Certified Max Gross Wt.:</b>	4000 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO-520-D
<b>Registered Owner:</b>	JAMES B. WELLS	<b>Rated Power:</b>	300 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>	PNS ,121 ft msl	<b>Distance from Accident Site:</b>	35 Nautical Miles
<b>Observation Time:</b>	15:57 Local	<b>Direction from Accident Site:</b>	190°
<b>Lowest Cloud Condition:</b>	Scattered / 28000 ft AGL	<b>Visibility</b>	4 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	200°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	35°C / 21°C
<b>Precipitation and Obscuration:</b>	N/A - None - Haze		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	16:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	WELLS FLYING SERVICE	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	250 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2000 ft / 100 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>		<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>	30.9491,-87.1492(est)

## Administrative Information

**Investigator In Charge (IIC):** Kennedy, Jeffrey

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=30931>

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