



National Transportation Safety Board Aviation Accident Final Report

Location:	RAYVILLE, LA	Accident Number:	FTW87DRD09
Date & Time:	07/02/1987, 1615 CDT	Registration:	N3239J
Aircraft:	CESSNA T188C	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE AIRCRAFT HAD TO TAKE OFF EASTBOUND DUE TO OBSTRUCTIONS AT THE WEST END OF THE STRIP. THE SIX TO EIGHT KNOT WIND WAS VARIABLE FROM A RIGHT CROSSWIND TO A SLIGHT TAILWIND. INVESTIGATION REVEALED THE AIRCRAFT'S WEIGHT EXCEEDED THAT ESTABLISHED BY THE MANUFACTURER. LIFTOFF WAS ACHIEVED BUT THE AIRCRAFT STARTED SETTLING AS SOON AS IT CLIMBED OUT OF GROUND EFFECT. THE DESCENT WAS ARRESTED BUT CLIMB COULD NOT BE RE-ESTABLISHED BEFORE THE AIRCRAFT CONTACTED HIGH VEGETATION BEYOND THE END OF THE RUNWAY AND DESCENDED TO THE GROUND. TOUCHDOWN WAS ON ROUGH TERRAIN. A COMBINATION OF HIGH VEGETATION AND ROUGH TERRAIN CAUSED THE AIRCRAFT TO NOSE DOWN BEFORE IT STOPPED.

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 - INITIAL CLIMB

Findings

1. (C) AIRSPEED - INADEQUATE - PILOT IN COMMAND
2. (C) AIRCRAFT WEIGHT AND BALANCE - EXCEEDED - PILOT IN COMMAND
3. (F) WEATHER CONDITION - UNFAVORABLE WIND

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

Findings

4. (F) TERRAIN CONDITION - HIGH VEGETATION
5. (F) TERRAIN CONDITION - ROUGH/UNEVEN

Factual Information

Pilot Information

Certificate:	Commercial	Age:	29, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	05/21/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	2921 hours (Total, all aircraft), 1258 hours (Total, this make and model), 2921 hours (Pilot In Command, all aircraft), 153 hours (Last 90 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N3239J
Model/Series:	T188C T188C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	T18803620T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	01/07/1987, Annual	Certified Max Gross Wt.:	3300 lbs
Time Since Last Inspection:	100 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1630 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Not installed	Engine Model/Series:	TSIO520T
Registered Owner:	THOMASON FLYING SERVICE	Rated Power:	310 hp
Operator:	SCS FLYING SERVICE	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1615 CDT	Type of Airspace:	Class G

Airport Information

Airport:	BROWN'S STRIP	Runway Surface Type:	Grass/turf
Airport Elevation:	83 ft	Runway Surface Condition:	Vegetation
Runway Used:	9	IFR Approach:	None
Runway Length/Width:	2300 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JAMES F CARLSON	Report Date:	05/02/1988
Additional Participating Persons:			
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).