



National Transportation Safety Board Aviation Accident Final Report

Location:	ALTUS, OK	Accident Number:	FTW83FA416
Date & Time:	09/04/1983, 1607 CDT	Registration:	N111FN
Aircraft:	CESSNA 421C	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	8 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PLT INITIATED A TAKEOFF ON A HOT AFTERNOON WITH 7 PASSENGERS ON BOARD. SHORTLY AFTER LEFT-OFF, 2 WITNESSES OBSERVED WHAT THEY DESCRIBED AS A PUFF OF BLACK SMOKE FROM THE RIGHT ENG. ACCORDING TO WITNESSES, THE ACFT TURNED TO THE LEFT BEFORE CROSSING THE DEPARTURE END OF THE RWY AT LOW ALTITUDE & LOW SPEED. SUBSEQUENTLY, THE ACFT ROLLED RAPIDLY TO THE LEFT & IMPACTED THE GROUND IN A NEAR FLAT ATTITUDE, WITH A HIGH RATE OF SINK, AND SUFFICIENT FORWARD VELOCITY TO SLIDE OR BOUNCE ABOUT 70 FT BEFORE COMING TO REST & BURNING. AN EXAM OF THE WRECKAGE, INCLUDING TEARDOWNS OF BOTH ENGS, REVEALED NO PREIMPACT/MECHANICAL MALFUNCTION OR FAILURE. THE ACFT WAS ESTIMATED TO BE 80 LBS BELOW ITS MAX DESIGN GROSS WT. ITS CENTER OF GRAVITY WAS COMPUTED TO BE 1.45 INCHES AFT OF ITS REAR LIMIT. THE TEMP WAS 101 DEG & THE DENSITY ALTITUDE WAS ABOUT 4000 FT.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF ENGINE POWER

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

Findings

2. (C) AIRSPEED(VMC) - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

3. (C) AIRCRAFT HANDLING - NOT MAINTAINED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Commercial	Age:	63, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):		Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	02/02/1983
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	7620 hours (Total, all aircraft), 269 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N111FN
Model/Series:	421C 421C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	421C 0321
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	04/18/1983, Unknown	Certified Max Gross Wt.:	7450 lbs
Time Since Last Inspection:	63 Hours	Engines:	2 Reciprocating
Airframe Total Time:	1505 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated	Engine Model/Series:	GTSIO 520L
Registered Owner:	FIRST BANKSHARES INC.	Rated Power:	375 hp
Operator:	OSAGE AVIATION SERVICES INC.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	LTS, 1430 ft msl	Distance from Accident Site:	8 Nautical Miles
Observation Time:	1555 CDT	Direction from Accident Site:	130°
Lowest Cloud Condition:	Scattered / 25000 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	15 knots / 20 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	38° C / 12° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:	BARTLESVILLE, OK (BVO)	Type of Clearance:	None
Departure Time:	1607 CDT	Type of Airspace:	Class G

Airport Information

Airport:	ALTUS (AXS)	Runway Surface Type:	Concrete
Airport Elevation:	1426 ft	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	5000 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	7 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	8 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JEAN H DAUGHERTY	Report Date:	
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.ntsb.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](#).