



Aviation Investigation Final Report

Location:	FARMINGTON, New Mexico	Accident Number:	FTW92LA217
Date & Time:	August 23, 1992, 11:05 Local	Registration:	N8841D
Aircraft:	PIPER PA-22-160	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT WAS DOING TOUCH AND GOES AND FOLLOWING THE FIRST TOUCHDOWN THE PILOT ADDED POWER FOR TAKEOFF. DURING THE INITIAL CLIMB AT APPROXIMATELY 400 FEET AGL AND APPROXIMATELY 100 FEET BEYOND THE DEPARTURE END OF THE RUNWAY A TOTAL ENGINE POWER LOSS OCCURRED. THE PILOT INITIATED AN EMERGENCY DESCENT FOR THE RUNWAY; HOWEVER, THE AIRPLANE DESCENDED BELOW THE RUNWAY ELEVATION. DURING THE LANDING IN A WOODED AREA THE AIRPLANE STRUCK A TREE. THE TEMPERATURE WAS 64 DEGREES FAHRENHEIT AND THE DEW POINT WAS 57 DEGREES FAHRENHEIT, RESULTING IN SERIOUS ICING CONDITIONS AT GLIDE POWER.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: TOTAL LOSS OF ENGINE POWER DUE TO CARBURETOR ICE AND THE PILOT'S DELAYED USE OF CARBURETOR HEAT. A FACTOR WAS UNSUITABLE TERRAIN.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) WEATHER CONDITION - CARBURETOR ICING CONDITIONS
2. (C) CARBURETOR HEAT - DELAYED - PILOT IN COMMAND

3. FUEL SYSTEM, CARBURETOR - ICE

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: DESCENT - EMERGENCY

Findings

4. OBJECT - TREE(S)

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - EMERGENCY

Findings

5. (F) TERRAIN CONDITION - NONE SUITABLE

Factual Information

Pilot Information

Certificate:	Private	Age:	42, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	September 30, 1991
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	103 hours (Total, all aircraft), 1 hours (Total, this make and model), 103 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N8841D
Model/Series:	PA-22-160 PA-22-160	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	6011
Landing Gear Type:	Tricycle	Seats:	3
Date/Type of Last Inspection:	October 23, 1980 Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2132 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-320-B2A
Registered Owner:	STANLEY, JAMES C.	Rated Power:	160 Horsepower
Operator:	STANLEY, JAMES C.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	FMN ,5503 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	16:55 Local	Direction from Accident Site:	180°
Lowest Cloud Condition:	Scattered / 5000 ft AGL	Visibility	25 miles
Lowest Ceiling:	Overcast / 10000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	80°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	18°C / 14°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(FMN)	Type of Flight Plan Filed:	None
Destination:	(FMN)	Type of Clearance:	VFR
Departure Time:	08:00 Local	Type of Airspace:	Class D;Class E

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	36.750812,-108.179023(est)

Administrative Information

Investigator In Charge (IIC):	Smith, Joyce
Additional Participating Persons:	WALTER P TIDMORE; ALBUQUERQUE , NM
Original Publish Date:	June 30, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=18561

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