



Aviation Investigation Final Report

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|--------------------------------|--------------------------------------|-------------------------|-------------|
| Location: | CREVE COEUR, Missouri | Accident Number: | MKC87LA071 |
| Date & Time: | April 1, 1987, 11:40 Local | Registration: | N89316 |
| Aircraft: | CESSNA 140 | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 1 None |
| Flight Conducted Under: | Part 91: General aviation - Personal | | |

Analysis

THE PIC WAS PRACTICING LANDINGS IN GUSTY CROSSWIND CONDITIONS. PIC LANDED LONG, AND AFTER ROLLING A SHORT DISTANCE, PERCEIVED THAT THE WIND DIRECTION HAD CHANGED. THE PIC STATED THAT THIS NEW WIND DIRECTION WAS NOW MORE OF A TAILWIND. THE PIC DID NOT SELECT A GO-AROUND AND MAINTAINED DIRECTIONAL CONTROL UNTIL RUNNING OFF THE END OF THE RUNWAY. THE AIRCRAFT ENCOUNTERED SOFT TERRAIN AND NOSED OVER INVERTED. WEATHER OBSERVATION FROM A NEARBY FSS RECORDED NO WIND CHANGENEAR THE TIME OF THE ACCIDENT.

Probable Cause and Findings

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

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH WEATHER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (F) GO-AROUND - NOT SELECTED - PILOT IN COMMAND
3. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
4. (F) ALL AVAILABLE RUNWAY - NOT USED - PILOT IN COMMAND
5. (C) PROPER TOUCHDOWN POINT - NOT ATTAINED - PILOT IN COMMAND

Occurrence #2: NOSE OVER
Phase of Operation: TAKEOFF - ROLL/RUN

Factual Information

Pilot Information

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|----------------------------------|--|--|-------------|
| Certificate: | Private | Age: | 63, 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-w/ waivers/lim | Last FAA Medical Exam: | May 1, 1985 |
| Occupational Pilot: | No | Last Flight Review or Equivalent: | |
| Flight Time: | 286 hours (Total, all aircraft), 73 hours (Total, this make and model), 7 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N89316 |
| Model/Series: | 140 140 | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | |
| Airworthiness Certificate: | Normal | Serial Number: | 8344 |
| Landing Gear Type: | Tailwheel | Seats: | 2 |
| Date/Type of Last Inspection: | December 18, 1986 Annual | Certified Max Gross Wt.: | 1500 lbs |
| Time Since Last Inspection: | | Engines: | 1 Reciprocating |
| Airframe Total Time: | 2144 Hrs | Engine Manufacturer: | CONTINENTAL |
| ELT: | Installed, not activated | Engine Model/Series: | 85-12F |
| Registered Owner: | GEORGE BENSON M.D. | Rated Power: | 85 Horsepower |
| Operator: | GEORGE ABNER BENSON | Operating Certificate(s) Held: | None |
| Operator Does Business As: | | Operator Designator Code: | |

Meteorological Information and Flight Plan

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|---|----------------------------------|---|------------------|
| Conditions at Accident Site: | Visual (VMC) | Condition of Light: | Day |
| Observation Facility, Elevation: | SUS ,461 ft msl | Distance from Accident Site: | 8 Nautical Miles |
| Observation Time: | 11:54 Local | Direction from Accident Site: | 243° |
| Lowest Cloud Condition: | Scattered / 12000 ft AGL | Visibility | 15 miles |
| Lowest Ceiling: | Broken / 25000 ft AGL | Visibility (RVR): | |
| Wind Speed/Gusts: | 15 knots / 22 knots | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 250° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | 29 inches Hg | Temperature/Dew Point: | 17°C / 1°C |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | CREVE COEUR , MO (1H0) | Type of Flight Plan Filed: | None |
| Destination: | | Type of Clearance: | None |
| Departure Time: | 11:00 Local | Type of Airspace: | Class G |

Airport Information

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|-----------------------------|------------------|----------------------------------|------------------------------|
| Airport: | CREVE COEUR 1H0 | Runway Surface Type: | Asphalt;Grass/turf |
| Airport Elevation: | 445 ft msl | Runway Surface Condition: | Dry |
| Runway Used: | 34 | IFR Approach: | None |
| Runway Length/Width: | 2825 ft / 160 ft | VFR Approach/Landing: | Touch and go;Traffic pattern |

Wreckage and Impact Information

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|----------------------------|--------|-----------------------------|---------------------------|
| 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: | 38.660816,-90.459709(est) |

Administrative Information

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| Investigator In Charge (IIC): | Thorpe, Clint |
| Additional Participating Persons: | NEIL POWERS; ST LOUIS , MI |
| Original Publish Date: | May 9, 1988 |
| Last Revision Date: | |
| Investigation Class: | Class |
| Note: | |
| Investigation Docket: | https://data.nts.gov/Docket?ProjectID=34357 |

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