



Aviation Investigation Final Report

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|--------------------------------|--------------------------------|-------------------------|-------------|
| Location: | LUBBOCK, Texas | Accident Number: | FTW91LA051 |
| Date & Time: | March 14, 1991, 18:15 Local | Registration: | N36DB |
| Aircraft: | BEECH A36 | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 1 None |
| Flight Conducted Under: | Part 91: General aviation | | |

Analysis

DURING THE LANDING ROLL AT NIGHT THE PILOT LOST CONTROL OF THE AIRPLANE WHEN HE FAILED TO ADEQUATELY COMPENSATE FOR THE EXISTING CROSS WIND CONDITIONS. THE AIRPLANE DEPARTED THE RUNWAY AND TRAVELED 75 FEET (2,800 FROM THE APPROACH END OF THE RUNWAY) BEFORE IT CAME TO REST IN THE INVERTED POSITION. DURING THE GROUND RUN OFF THE RUNWAY THE NOSE GEAR COLLAPSED AND THE AIRPLANE NOSED OVER.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S INADEQUATE COMPENSATION FOR THE CROSSWIND. A FACTOR WAS THE CROSSWIND.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

Findings

3. LANDING GEAR, NOSE GEAR - OVERLOAD

Occurrence #3: NOSE OVER

Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

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|----------------------------------|---|--|------------------|
| Certificate: | Private | Age: | 52, Male |
| Airplane Rating(s): | Single-engine land | Seat Occupied: | Unknown |
| 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: | October 20, 1989 |
| Occupational Pilot: | UNK | Last Flight Review or Equivalent: | |
| Flight Time: | 1027 hours (Total, all aircraft), 950 hours (Total, this make and model), 988 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| Aircraft Make: | BEECH | Registration: | N36DB |
| Model/Series: | A36 A36 | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | |
| Airworthiness Certificate: | | Serial Number: | E-1655 |
| Landing Gear Type: | Retractable - Tricycle | Seats: | 6 |
| Date/Type of Last Inspection: | Unknown | Certified Max Gross Wt.: | 3600 lbs |
| Time Since Last Inspection: | 0 Hrs | Engines: | 1 Reciprocating |
| Airframe Total Time: | | Engine Manufacturer: | CONTINENTAL |
| ELT: | Installed, not activated | Engine Model/Series: | IO-520-BB |
| Registered Owner: | BERRY, DAN. A. | Rated Power: | 285 Horsepower |
| Operator: | BERRY, DAN. A. | 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: | Night/dark |
| Observation Facility, Elevation: | | Distance from Accident Site: | |
| Observation Time: | | Direction from Accident Site: | |
| Lowest Cloud Condition: | Clear | Visibility | 15 miles |
| Lowest Ceiling: | None | Visibility (RVR): | |
| Wind Speed/Gusts: | 21 knots / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 110° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | | Temperature/Dew Point: | -18°C / -18°C |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | CROSBYTON , TX (BF3) | Type of Flight Plan Filed: | None |
| Destination: | | Type of Clearance: | None |
| Departure Time: | 17:55 Local | Type of Airspace: | |

Airport Information

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|-----------------------------|-------------------|----------------------------------|-----------------|
| Airport: | LUBBOCK LBB | Runway Surface Type: | Concrete |
| Airport Elevation: | 3231 ft msl | Runway Surface Condition: | Dry |
| Runway Used: | 17 | IFR Approach: | |
| Runway Length/Width: | 11500 ft / 150 ft | VFR Approach/Landing: | 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: | |

Administrative Information

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| Investigator In Charge (IIC): | Ellis, Matthew |
| Additional Participating Persons: | R. MOORE; LUBBOCK , TX |
| Original Publish Date: | March 31, 1993 |
| Last Revision Date: | |
| Investigation Class: | Class |
| Note: | |
| Investigation Docket: | https://data.nts.gov/Docket?ProjectID=23311 |

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