



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|---|-------------------------|------------|
| Location: | ABILENE, TX | Accident Number: | FTW91LA011 |
| Date & Time: | 11/02/1990, 1340 CST | Registration: | N5096D |
| Aircraft: | CESSNA 172 | Injuries: | 1 Minor |
| Flight Conducted Under: | Part 91: General Aviation - Instructional | | |

Analysis

DURING AN APPROACH TO RUNWAY 22 THE STUDENT PILOT ENCOUNTERED MILD TURBULENCE AND HIGH WIND GUSTS IN EXCESS OF TWENTY FOUR KNOTS FROM THE LEFT. THE AIRPLANE BEGAN A RAPID DESCENT FROM APPROXIMATELY FIFTY FEET RESULTING IN THE PILOT LOSING DIRECTIONAL CONTROL, FOLLOWED BY GROUND IMPACT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: PILOT'S FAILURE TO COMPENSATE FOR GUSTY WIND CONDITION.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
3. DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Pilot Information

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|----------------------------------|---|------------------------------|------|
| Certificate: | Student | Age: | 48 |
| Airplane Rating(s): | None | Instrument Rating(s): | None |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | |
| Flight Time: | 54 hours (Total, all aircraft), 54 hours (Total, this make and model), 14 hours (Pilot In Command, all aircraft), 24 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|---|-----------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N5096D |
| Model/Series: | 172 172 | Engines: | 1 Reciprocating |
| Operator: | RAVEN AIR PARTS | Engine Manufacturer: | LYCOMING |
| Operating Certificate(s) Held: | None | Engine Model/Series: | O-320-H2AD |
| Flight Conducted Under: | Part 91: General Aviation - Instructional | | |

Meteorological Information and Flight Plan

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|---|----------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | ABI, 1790 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | Broken / 3000 ft agl | Wind Speed/Gusts, Direction: | 6 knots / 24 knots, 180° |
| Temperature: | 26° C | Visibility | 30 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | (ABI) | Destination: | |

Airport Information

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|-----------------------------|------------------|----------------------------------|---------|
| Airport: | ABILENE (ABI) | Runway Surface Type: | Asphalt |
| Runway Used: | 22 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 3686 ft / 100 ft | | |

Wreckage and Impact Information

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|----------------------------|---------|----------------------------|-------------|
| Crew Injuries: | 1 Minor | Aircraft Damage: | Substantial |
| Passenger Injuries: | N/A | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |

Latitude, Longitude:

Administrative Information

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|--------------------------------------|--|----------------------|------------|
| Investigator In Charge (IIC): | MATTHEW ELLIS | Adopted Date: | 11/09/1992 |
| 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/ . | | |

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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.