



Aviation Investigation Final Report

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|--------------------------------|--------------------------------------|-------------------------|-------------|
| Location: | BROOKINGS, Oregon | Accident Number: | SEA91LA151 |
| Date & Time: | July 2, 1991, 11:30 Local | Registration: | N12EM |
| Aircraft: | BEECH C33A | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 4 None |
| Flight Conducted Under: | Part 91: General aviation - Personal | | |

Analysis

DURING A LANDING, THE AIRPLANE BOUNCED AND TOUCHED DOWN HARD, COLLAPSING THE NOSE GEAR. THE AIRPLANE THEN SKIDDED APPROXIMATELY 800 FEET AND CAME TO REST ON THE SIDE OF THE RUNWAY.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S IMPROPER FLARE FOR TOUCHDOWN, AND HER IMPROPER RECOVERY FROM A BOUNCED LANDING.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (C) FLARE - IMPROPER - PILOT IN COMMAND
2. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Occurrence #2: NOSE GEAR COLLAPSED
Phase of Operation: LANDING

Findings

3. LANDING GEAR, NOSE GEAR - OVERLOAD

Factual Information

Pilot Information

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|----------------------------------|---|--|-----------------|
| Certificate: | Private | Age: | 51,Female |
| 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): | | Toxicology Performed: | No |
| Medical Certification: | Class 3 Valid Medical-w/ waivers/lim | Last FAA Medical Exam: | January 4, 1991 |
| Occupational Pilot: | UNK | Last Flight Review or Equivalent: | |
| Flight Time: | 140 hours (Total, all aircraft), 54 hours (Total, this make and model), 56 hours (Pilot In Command, all aircraft) | | |

Aircraft and Owner/Operator Information

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|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| Aircraft Make: | BEECH | Registration: | N12EM |
| Model/Series: | C33A C33A | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | |
| Airworthiness Certificate: | | Serial Number: | CE-91 |
| Landing Gear Type: | Retractable - Tricycle | Seats: | 4 |
| Date/Type of Last Inspection: | Unknown | Certified Max Gross Wt.: | 3300 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-B |
| Registered Owner: | BARBARA J. JONES | Rated Power: | 285 Horsepower |
| Operator: | BARBARA J. JONES | 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: | | Distance from Accident Site: | |
| Observation Time: | | Direction from Accident Site: | |
| Lowest Cloud Condition: | Clear | Visibility | 30 miles |
| Lowest Ceiling: | None | Visibility (RVR): | |
| Wind Speed/Gusts: | / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 0° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | | Temperature/Dew Point: | -18°C / -18°C |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | MEDFORD , OR (MFR) | Type of Flight Plan Filed: | None |
| Destination: | | Type of Clearance: | None |
| Departure Time: | 11:00 Local | Type of Airspace: | |

Airport Information

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|-----------------------------|---------------------|----------------------------------|-----------------|
| Airport: | BROOKINGS STATE BOK | Runway Surface Type: | Asphalt |
| Airport Elevation: | 459 ft msl | Runway Surface Condition: | Dry |
| Runway Used: | 3 | IFR Approach: | None |
| Runway Length/Width: | 2600 ft / 50 ft | VFR Approach/Landing: | Traffic pattern |

Wreckage and Impact Information

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|----------------------------|--------|-----------------------------|----------------------------|
| Crew Injuries: | 1 None | Aircraft Damage: | Substantial |
| Passenger Injuries: | 3 None | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 4 None | Latitude, Longitude: | 42.130119,-124.240432(est) |

Administrative Information

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|--|---|
| Investigator In Charge (IIC): | Stockhill, Michael |
| Additional Participating Persons: | JOE INKS; HILLSBORO , OR |
| Original Publish Date: | December 4, 1992 |
| Last Revision Date: | |
| Investigation Class: | Class |
| Note: | |
| Investigation Docket: | https://data.nts.gov/Docket?ProjectID=41466 |

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