



# National Transportation Safety Board Aviation Accident Data Summary

|                                |                                      |                         |            |
|--------------------------------|--------------------------------------|-------------------------|------------|
| <b>Location:</b>               | STILLWATER, OK                       | <b>Accident Number:</b> | FTW84LA124 |
| <b>Date &amp; Time:</b>        | 02/01/1984, 1100 CST                 | <b>Registration:</b>    | N94467     |
| <b>Aircraft:</b>               | CESSNA 152                           | <b>Injuries:</b>        | 1 None     |
| <b>Flight Conducted Under:</b> | Part 91: General Aviation - Personal |                         |            |

## Analysis

THE ACFT LANDED HARD AND BOUNCED. THE PLT REACTED BY PUSHING THE NOSE OVER AND WHEN THE ACFT CONTACTED THE RWY THE NOSE GEAR COLLAPSED.

## Probable Cause

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

## Findings

Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (C) FLARE - MISJUDGED - PILOT IN COMMAND
2. (C) TOTAL - PILOT IN COMMAND
3. (C) PROPER DESCENT RATE - NOT MAINTAINED - PILOT IN COMMAND
4. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND
5. (C) ABORTED LANDING - NOT PERFORMED - PILOT IN COMMAND
6. (C) FLIGHT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND

Occurrence #2: NOSE GEAR COLLAPSED

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

7. (F) LANDING GEAR,NOSE GEAR - OVERLOAD

## Pilot Information

|                                  |  |                              |      |
|----------------------------------|--|------------------------------|------|
| <b>Certificate:</b>              | Private  | <b>Age:</b>                  | 55   |
| <b>Airplane Rating(s):</b>       | Single-engine Land   | <b>Instrument Rating(s):</b> | None |
| <b>Other Aircraft Rating(s):</b> | None   | <b>Instructor Rating(s):</b> | None |
| <b>Flight Time:</b>              | 95 hours (Total, all aircraft), 91 hours (Total, this make and model), 41 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft) |                              |      |

## Aircraft and Owner/Operator Information

|                                |                                      |                      |                 |
|--------------------------------|--------------------------------------|----------------------|-----------------|
| Aircraft Make:                 | CESSNA                               | Registration:        | N94467          |
| Model/Series:                  | 152 152                              | Engines:             | 1 Reciprocating |
| Operator:                      | STILLWATER FLIGHT CENTER             | Engine Manufacturer: | LYCOMING        |
| Operating Certificate(s) Held: |                                      | Engine Model/Series: | O-235L2C        |
| Flight Conducted Under:        | Part 91: General Aviation - Personal |                      |                 |

## Meteorological Information and Flight Plan

|                                  |                   |                              |                          |
|----------------------------------|-------------------|------------------------------|--------------------------|
| Conditions at Accident Site:     | Visual Conditions | Condition of Light:          | Day                      |
| Observation Facility, Elevation: | , 0 ft msl        | Weather Information Source:  | Pilot                    |
| Lowest Ceiling:                  | None / 0 ft agl   | Wind Speed/Gusts, Direction: | 5 knots / 10 knots, 170° |
| Temperature:                     | 10° C             | Visibility                   | 15 Miles                 |
| Precipitation and Obscuration:   |                   |                              |                          |
| Departure Point:                 |                   | Destination:                 | STILLWATER, OK (SWO)     |

## Airport Information

|                      |                  |                           |         |
|----------------------|------------------|---------------------------|---------|
| Airport:             | STILLWATER (SWO) | Runway Surface Type:      | Asphalt |
| Runway Used:         | 17               | Runway Surface Condition: | Dry     |
| Runway Length/Width: | 5002 ft / 150 ft |                           |         |

## Wreckage and Impact Information

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

## Administrative Information

|                               |  |               |  |
|-------------------------------|--|---------------|--|
| Investigator In Charge (IIC): | TOMMY MCFALL   | Adopted Date: |  |
| 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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> . |               |  |

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