



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Walnut Grove, MO	<b>Accident Number:</b>	CEN11LA138
<b>Date &amp; Time:</b>	01/03/2011, 1852 CST	<b>Registration:</b>	N1416F
<b>Aircraft:</b>	CESSNA 172H	<b>Injuries:</b>	1 Fatal
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The accident occurred during the fourth leg of a visual flight rules cross-country flight. The pilot departed on the first leg of the trip shortly after sunrise, about 11 hours prior to the accident. The pilot made 3 intermediate stops during the day, where he purchased fuel. The accident flight was approximately 1 hour in duration and was conducted in night visual meteorological conditions. Radar track data depicted the airplane established on a west-southwest course and at a constant altitude. About 15 seconds prior to the accident, the airplane entered a descending left turn, and spiraled down, ultimately impacting an open field. A postaccident examination of the airplane did not reveal any anomalies consistent with a preimpact failure or malfunction. Postmortem toxicology testing was consistent with the prior use of a prescription anti-anxiety medication and marijuana. Due to limited samples, a determination could not be made as to when the substances were last used. Accordingly, no determination was made as to whether the pilot was impaired at the time of the accident. While the departure from controlled flight suggested spatial disorientation, and the extended duration of the trip likely contributed to pilot fatigue, the exact nature of the loss of control could not be determined.

## Flight Events

Enroute-cruise - Loss of control in flight  
Enroute-cruise - Collision with terr/obj (non-CFIT)

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's loss of control for undetermined reasons. Contributing to the accident was the pilot's fatigue.

## Findings

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C  
Personnel issues-Physical-Alertness/Fatigue-(general)-Pilot - F  
Not determined-Not determined-(general)-(general)-Unknown/Not determined - C

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	45
<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>	405 hours (Total, all aircraft), 340 hours (Total, this make and model), 11 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	CESSNA	<b>Registration:</b>	N1416F
<b>Model/Series:</b>	172H	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	0-300 SER
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	SGF, 1268 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Night	<b>Wind Speed/Gusts, Direction:</b>	5 knots, 210°
<b>Temperature:</b>	1°C / -6°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Ft Leonard Wood, MO (TBN)	<b>Destination:</b>	Bartlesville, OK (BVO)

## Airport Information

<b>Airport:</b>	Springfield-Branson National (SGF)	<b>Runway Surface Type:</b>	
<b>Runway Used:</b>	N/A	<b>Runway Surface Condition:</b>	
<b>Runway Length/Width:</b>			

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Timothy Sorensen	<b>Adopted Date:</b>	10/17/2011
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78089">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78089</a>		

---

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.