



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Helena, MT	<b>Accident Number:</b>	WPR13CA355
<b>Date &amp; Time:</b>	08/02/2013, 0940 MDT	<b>Registration:</b>	N2926M
<b>Aircraft:</b>	MOONEY M20F	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The flight instructor reported that the purpose of the flight was for the pilot-undergoing instruction to perform touch-and-go practice takeoffs and landings. During the approach, the airplane was slightly fast and touched down about halfway down the runway. The instructor thought the pilot could still successfully complete a takeoff and monitored him as he retracted the flaps. As the airplane continued down the runway, the instructor decided that the airplane's climb performance would not be sufficient to clear obstacles at the end of the runway and he opted to abort the takeoff. The instructor retarded the throttle lever to the closed position and told the pilot to apply maximum braking pressure. The airplane subsequently went off the end of runway into a grass field and continued about 100 feet before impacting a chain-link fence. During the accident sequence, the wing spar was substantially damaged.

The airplane's brake pedals were only accessible to the left-seated person, which is where the pilot was positioned. The instructor reported no mechanical malfunctions or failures with the airplane that would have precluded normal operation. He additionally stated that this accident could have been prevented by making a timely decision to go-around when it was apparent that the airplane was going to touchdown further down the runway.

## Flight Events

Takeoff-rejected takeoff - Runway excursion

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The flight instructor's delayed decision to instruct the pilot to abort the landing which resulted in a runway excursion and collision with a fence.

## Findings

Personnel issues-Psychological-Attention/monitoring-Monitoring other person-Instructor/check pilot - C

Personnel issues-Action/decision-Action-Delayed action-Instructor/check pilot - C

Environmental issues-Physical environment-Object/animal/substance-Fence/fence post-Not

specified

## Flight Instructor Information

<b>Certificate:</b>	Airline Transport; Flight Instructor	<b>Age:</b>	54
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
<b>Flight Time:</b>	4509 hours (Total, all aircraft), 265 hours (Total, this make and model)		

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	35
<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>	137 hours (Total, all aircraft), 7 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	MOONEY	<b>Registration:</b>	N2926M
<b>Model/Series:</b>	M20F	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	LYCOMING
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	IO360 SER A&C
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>		<b>Weather Information Source:</b>	Pilot
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	Light and Variable, Variable
<b>Temperature:</b>	24° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Helena, MT (HLN)	<b>Destination:</b>	Helena, MT (HLN)

## Airport Information

<b>Airport:</b>	Helena Regional Airport (HLN)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	34	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	2988 ft / 75 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<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

Investigator In Charge (IIC):	Zoe Keliher	Adopted Date:	11/19/2013
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87656">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87656</a>		

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