



# Aviation Investigation Final Report

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<b>Location:</b>	Carson City, Nevada	<b>Accident Number:</b>	WPR15CA102
<b>Date &amp; Time:</b>	February 11, 2015, 15:10 Local	<b>Registration:</b>	N185NV
<b>Aircraft:</b>	Cessna 185 - E	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

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## Analysis

The pilot reported that immediately after touchdown he felt a very strong crosswind from the left that kicked the tail to the right. He then added full right rudder and full power in an attempt to go around, however, the torque and P-factor, combined with the wind gust pulled the right wing to the ground. The pilot stated that he subsequently reduced power and aborted the takeoff. With the right wing still in contact with the ground, the airplane rolled off of the runway into some soft mud, which resulted in the airplane spinning around onto its nose, followed by the left wing contacting the ground; the airplane came to rest on its nose and left wing. The airplane sustained substantial damage to the fuselage, both wings and associated ailerons, and both elevators. The pilot reported no preimpact mechanical malfunctions or failures with the airplane that would have precluded normal operation.

## Probable Cause and Findings

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

The pilot's failure to maintain directional control during landing with a crosswind which resulted in a ground loop.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Environmental issues</b>	Crosswind - Contributed to outcome

## Factual Information

### History of Flight

<b>Landing-landing roll</b>	Loss of control on ground (Defining event)
<b>Landing-landing roll</b>	Runway excursion

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	50
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	4-point
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	February 12, 2014
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	July 4, 2014
<b>Flight Time:</b>	628 hours (Total, all aircraft), 85 hours (Total, this make and model), 628 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N185NV
<b>Model/Series:</b>	185 - E E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1965	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	185-0984
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	June 30, 2014 Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>	11 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental Motor
<b>ELT:</b>		<b>Engine Model/Series:</b>	IO-550-D15B
<b>Registered Owner:</b>	Andrew T Hoffman	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	Andrew T Hoffman	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	CXP,4705 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	15:15 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	9 knots /	<b>Turbulence Type Forecast/Actual:</b>	/ None
<b>Wind Direction:</b>	90°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.29 inches Hg	<b>Temperature/Dew Point:</b>	12°C / 0°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Dayton, NV (A34 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Carson City, CA (CXP )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:58 Local	<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	Carson City Airport CXP	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	4705 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	09	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	6101 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	39.193332,-119.737777(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Little, Thomas
<b>Additional Participating Persons:</b>	Donald F Morgan; Federal Aviation Administration; Reno, NV
<b>Original Publish Date:</b>	April 21, 2015
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=90716">https://data.ntsb.gov/Docket?ProjectID=90716</a>

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