



Aviation Investigation Final Report

Location:	Minden, Nevada	Accident Number:	WPR11CA126
Date & Time:	February 5, 2011, 11:30 Local	Registration:	N2603Y
Aircraft:	Piper PA-28-181	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The student pilot was performing her first solo landing. During the landing roll, the airplane began to swerve right and left. The pilot attempted to apply corrective control inputs, but the airplane departed the runway and collided with a ditch. The airplane sustained substantial damage to the firewall and belly structure during the accident sequence. The pilot reported no preimpact mechanical malfunctions or failures with the airframe or engine 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 loss of directional control during landing.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Student/instructed pilot

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Collision with terr/obj (non-CFIT)

Student pilot Information

Certificate:	Student	Age:	17,Female
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	January 24, 2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	20 hours (Total, all aircraft), 20 hours (Total, this make and model), 19 hours (Last 90 days, all aircraft), 16 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N2603Y
Model/Series:	PA-28-181	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	28-8690006
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	October 4, 2010 100 hour	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:	54 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2661 Hrs at time of accident	Engine Manufacturer:	LYCOMING
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	O-360 SER
Registered Owner:	On file	Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	CXP,4705 ft msl	Distance from Accident Site:	12 Nautical Miles
Observation Time:	11:35 Local	Direction from Accident Site:	360°
Lowest Cloud Condition:	Few / 8000 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	220°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.38 inches Hg	Temperature/Dew Point:	10°C / -2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Minden, NV (MEV)	Type of Flight Plan Filed:	None
Destination:	Minden, NV (MEV)	Type of Clearance:	VFR
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Minden MEV	Runway Surface Type:	Asphalt
Airport Elevation:	4722 ft msl	Runway Surface Condition:	Dry
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	7400 ft / 100 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	39.000831,-119.751945(est)

Administrative Information

Investigator In Charge (IIC):	Simpson, Elliott
Additional Participating Persons:	Lee A Oscar; Federal Aviation Administration FSDO; Reno, NV
Original Publish Date:	June 8, 2011
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=78297

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