



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Hanna, WY	<b>Accident Number:</b>	GAA17CA019
<b>Date &amp; Time:</b>	10/06/2016, 1015 MDT	<b>Registration:</b>	N4457Z
<b>Aircraft:</b>	PIPER PA18	<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 - Business		

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## Analysis

The pilot of a tailwheel equipped airplane reported that while landing on a dirt road with a left quartering crosswind, the "wind changed suddenly" and the airplane drifted to the right. He further reported that he applied power to abort the landing, but the right main landing gear "dropped off" the side of the dirt road and the airplane veered "hard to the right" into a ditch and wire fence.

The left elevator sustained substantial damage.

The pilot reported no preaccident 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 the landing roll in shifting wind conditions.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Sudden wind shift - Ability to respond/compensate Fence/fence post - Contributed to outcome

## Factual Information

### History of Flight

Landing-landing roll	Other weather encounter Loss of control on ground (Defining event)
Landing-aborted after touchdown	Collision with terr/obj (non-CFIT)

### Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	31, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Without Waivers/Limitations	Last FAA Medical Exam:	09/01/2016
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	02/25/2016
Flight Time:	(Estimated) 1879 hours (Total, all aircraft), 4.4 hours (Total, this make and model), 1690 hours (Pilot In Command, all aircraft), 179 hours (Last 90 days, all aircraft), 79 hours (Last 30 days, all aircraft), 3.2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N4457Z
Model/Series:	PA18 A150	Aircraft Category:	Airplane
Year of Manufacture:	1969	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	18-8804
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	07/29/2016, Annual	Certified Max Gross Wt.:	1750 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	5894 Hours as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	C91 installed, not activated	Engine Model/Series:	O-320-A2B
Registered Owner:	K RANCHES AVIATION	Rated Power:	150 hp
Operator:	On file	Operating Certificate(s) Held:	None
Operator Does Business As:	Flying B Aviation LLC.	Operator Designator Code:	

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KCPR, 5344 ft msl	Distance from Accident Site:	45 Nautical Miles
Observation Time:	1653 UTC	Direction from Accident Site:	20°
Lowest Cloud Condition:		Visibility	10 Miles
Lowest Ceiling:	Broken / 8000 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	220°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.13 inches Hg	Temperature/Dew Point:	6°C / 1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hanna, WY	Type of Flight Plan Filed:	None
Destination:	Hanna, WY	Type of Clearance:	None
Departure Time:	0830 MDT	Type of Airspace:	Class G

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	42.116667, -106.716667 (est)

## Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt	Report Date:	01/18/2017
Additional Participating Persons:	Wesley Dollahite; FAA; Denver, CO		
Publish Date:	01/09/2017		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=94197">http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=94197</a>		

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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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).