



Aviation Investigation Final Report

Location:	Ismay, Montana	Accident Number:	WPR15CA173
Date & Time:	May 31, 2015, 13:30 Local	Registration:	N9987J
Aircraft:	Cessna T188C	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot reported that he had successfully flown five aerial application flights prior to the accident flight with loads that were only half of capacity. This make/model airplane was new to the pilot, but he felt comfortable with the airplane having accumulated about 15 hours at the time of the accident.

During the takeoff roll, the airplane hit a bump about halfway down the runway, and started to porpoise. The pilot stated that he started losing directional control, and applied the brakes. After regaining control, the airplane was not aligned with the runway; however, he continued the takeoff, thinking that the airplane was going to fly. The airplane subsequently departed the runway surface, collided with a three-strand wire fence, and bounced across a dike. The collision with the fence damaged the landing gear, and the airplane skidded to a stop. Both wings, both main landing gear, and the engine mount sustained substantial damage. The pilot reported no mechanical malfunctions or failures with the airplane 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 incorrect action to continue the takeoff when he failed to maintain directional control during the takeoff roll.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Personnel issues	Incorrect action performance - Pilot
Personnel issues	Total experience w/ equipment - Pilot
Environmental issues	Fence/fence post - Not specified

Factual Information

History of Flight

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

Pilot Information

Certificate:	Commercial	Age:	59
Airplane Rating(s):	Single-engine land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	March 18, 2015
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	March 22, 2014
Flight Time:	5525 hours (Total, all aircraft), 15 hours (Total, this make and model), 5525 hours (Pilot In Command, all aircraft), 196 hours (Last 90 days, all aircraft), 70 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N9987J
Model/Series:	T188C	Aircraft Category:	Airplane
Year of Manufacture:	1982	Amateur Built:	
Airworthiness Certificate:	Normal; Restricted (Special)	Serial Number:	T18803916T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	April 22, 2015 Annual	Certified Max Gross Wt.:	2027 lbs
Time Since Last Inspection:	15 Hrs	Engines:	Reciprocating
Airframe Total Time:	6455 Hrs at time of accident	Engine Manufacturer:	Continental Motors Inc
ELT:	Not installed	Engine Model/Series:	TSIO-520
Registered Owner:	BALDWIN RANCH CO	Rated Power:	310 Horsepower
Operator:	Monte Reder	Operating Certificate(s) Held:	Agricultural aircraft (137)
Operator Does Business As:	Reder Ag Air	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KBHK	Distance from Accident Site:	
Observation Time:	13:34 Local	Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	5 miles
Lowest Ceiling:	Overcast / 1000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	26 knots / 32 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	330°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	6°C / 3°C
Precipitation and Obscuration:	Light - None - Rain		
Departure Point:	Ismay, MT	Type of Flight Plan Filed:	IFR
Destination:	Miles City, MT (MLS)	Type of Clearance:	None
Departure Time:	13:30 Local	Type of Airspace:	

Airport Information

Airport:	Baldwin Ranch Strip PVT	Runway Surface Type:	Grass/turf
Airport Elevation:	2530 ft msl	Runway Surface Condition:	Rough
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

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:	46.5,-104.800003(est)

Administrative Information

Investigator In Charge (IIC):	Plagens, Howard
Additional Participating Persons:	Ed Warmoth; FAA FSDO; Helena, MT
Original Publish Date:	July 27, 2015
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=91281

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