



Aviation Investigation Final Report

Location:	Munday, Texas	Accident Number:	GAA16CA385
Date & Time:	June 12, 2016, 20:00 Local	Registration:	N5814N
Aircraft:	ROCKWELL INTERNATIONAL 114	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during the takeoff rotation the airplane started to drift left and he immediately applied more right rudder, the left wing dipped, and the stall warning horn sounded. The pilot further reported that he decided to abort the takeoff and pulled the mixture to idle cutoff. The airplane collided with a fence, and sustained substantial damage to the firewall and left aileron.

The pilot reported that there were no pre impact mechanical failures or malfunctions 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 failure to maintain directional control during takeoff, which resulted in an aborted takeoff, runway excursion, collision with a fence, and substantial damage.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Aircraft	Lateral/bank control - Not attained/maintained
Environmental issues	Fence/fence post - Contributed to outcome

Factual Information

History of Flight

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

Pilot Information

Certificate:	Private	Age:	52, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	May 25, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 11, 2015
Flight Time:	(Estimated) 419 hours (Total, all aircraft), 305 hours (Total, this make and model), 319 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Passenger Information

Certificate:		Age:	Male
Airplane Rating(s):		Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Passenger Information

Certificate:		Age:	Male
Airplane Rating(s):		Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	ROCKWELL INTERNATIONAL	Registration:	N5814N
Model/Series:	114 B	Aircraft Category:	Airplane
Year of Manufacture:	1978	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	14377
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	May 25, 2016 Annual	Certified Max Gross Wt.:	3140 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4851 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	IO-540T4B5D
Registered Owner:	On file	Rated Power:	260 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:	KF05,1265 ft msl	Distance from Accident Site:	48 Nautical Miles
Observation Time:	01:15 Local	Direction from Accident Site:	18°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	150°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.94 inches Hg	Temperature/Dew Point:	30°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Munday, TX (37F)	Type of Flight Plan Filed:	None
Destination:	Hicks/Fort Wort, TX (T67)	Type of Clearance:	None
Departure Time:	20:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	MUNDAY MUNI 37F	Runway Surface Type:	Asphalt
Airport Elevation:	1474 ft msl	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	3200 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	33.468334,-99.586112(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Corey Wehmeyer; FAA; Lubbock, TX
Original Publish Date:	August 31, 2016
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.ntsb.gov/Docket?ProjectID=93654

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