



Aviation Investigation Final Report

Location: SHOW LOW, Arizona Accident Number: LAX88LA224

Date & Time: June 15, 1988, 15:15 Local Registration: N2509K

Aircraft: CESSNA 180K Aircraft Damage: Substantial

Defining Event: 4 None

Flight Conducted Under: Part 91: General aviation - Personal

Analysis

THE PLT ATTEMPTED TO TAKEOFF IN HIS CONVENTIONAL GEAR ACFT USING RWY 21. THE LOCAL WIND WAS ESTIMATED AT 180 DEGREES, 15 KNOTS WITH GUSTS TO 35 KNOTS. THE PLT STATED THAT IMMEDIATELY AFTER ROTATING FOR TAKEOFF 'A GUST OF WIND CAUGHT US & THREW US APPROXIMATELY 20 FEET UP IN THE AIR.' THE PLT SAID HE WAS UNABLE TO CONTROL HIS ACFT & IT STALLED. THE ACFT BOUNCED HARD THREE TIMES ON THE RWY UNTIL FINALLY THE LANDING GEAR BROKE AND THE WING STRUCK THE GROUND.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

- 1. (F) WEATHER CONDITION GUSTS
- 2. (F) WEATHER CONDITION HIGH WIND
- 3. (C) COMPENSATION FOR WIND CONDITIONS INADEQUATE PILOT IN COMMAND
- 4. (C) STALL INADVERTENT PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER Phase of Operation: DESCENT - UNCONTROLLED

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Factual Information

Pilot Information

Certificate:	Private	Age:	37,Male
Airplane Rating(s):	Single-engine land	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 3 Valid Medicalno waivers/lim.	Last FAA Medical Exam:	February 23, 1987
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	723 hours (Total, all aircraft), 486 hours (Total, this make and model), 38 hours (Last 90 days, all aircraft), 19 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2509K
Model/Series:	180K 180K	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18052962
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	February 1, 1988 Annual	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:	49 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	839 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-470U
Registered Owner:	DONALD GROVER FARMS, INC	Rated Power:	230 Horsepower
Operator:	GROVER, DONALD E.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

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Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots / 35 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:	WELLTON , AZ	Type of Clearance:	None
Departure Time:	15:15 Local	Type of Airspace:	Class G

Airport Information

Airport:	SHOW LOW MUNI SOW	Runway Surface Type:	Asphalt
Airport Elevation:	6411 ft msl	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	3928 ft / 60 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	34.22985,-110.070823(est)

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Administrative Information

Investigator In Charge (IIC): Pollack, Wayne

Additional Participating Persons:

Original Publish Date: November 7, 1989

Last Revision Date:

Investigation Class: Class
Note:

Investigation Docket: https://data.ntsb.gov/Docket?ProjectID=26035

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, "accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person" (Title 49 Code of Federal Regulations section 831.4). Assignment of fault or legal liability is not relevant to the NTSB's statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 United States Code section 1154(b)). A factual report that may be admissible under 49 United States Code section 1154(b) is available here.

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