



# Aviation Investigation Final Report

<b>Location:</b>	Morgan, Utah	<b>Accident Number:</b>	SEA07CA128
<b>Date &amp; Time:</b>	May 18, 2007, 11:30 Local	<b>Registration:</b>	N3007G
<b>Aircraft:</b>	Forney F-1	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot said he was flying to a private airstrip in the mountains where he had never been before. He circled the airstrip to permit his friend in another airplane to taxi clear of the runway. The pilot reported that while on final approach, the aircraft encountered a downdraft, and even with full power, it impacted a sagebrush covered hill short of the runway. The engine mount and firewall were damaged.

## 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 clearance of the hill on final approach to a landing. Contributing factors were the downdraft weather condition, the hilly terrain, and his lack of familiarity with the geographical area.

## Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

### Findings

1. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND
2. (F) WEATHER CONDITION - DOWNDRAFT
3. (F) TERRAIN CONDITION - MOUNTAINOUS/HILLY
4. (F) LACK OF FAMILIARITY WITH GEOGRAPHIC AREA - PILOT IN COMMAND



## Factual Information

The pilot said he was flying to a private airstrip in the mountains where he had never been before. He circled the airstrip to permit his friend in another airplane to taxi clear of the runway. The pilot reported that while on final approach, the aircraft encountered a downdraft, and even with full power, it impacted a sagebrush covered hill short of the runway. The engine mount and firewall were damaged.

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	69, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3	<b>Last FAA Medical Exam:</b>	February 1, 2007
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	314 hours (Total, all aircraft), 200 hours (Total, this make and model), 4 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Forney	<b>Registration:</b>	N3007G
<b>Model/Series:</b>	F-1	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	5699
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	
<b>Date/Type of Last Inspection:</b>		<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>		<b>Engine Model/Series:</b>	C85
<b>Registered Owner:</b>	Raymond R. Foley	<b>Rated Power:</b>	
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>		<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Morgan, UT (42U )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Morgan, UT (PRIV)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	40.971111,-111.703613

## Administrative Information

**Investigator In Charge (IIC):** Struhsaker, James

**Additional Participating Persons:**

**Original Publish Date:** July 25, 2007

**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=65817>

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