



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	CHARLESTON, WV	<b>Accident Number:</b>	ATL86LA237
<b>Date &amp; Time:</b>	09/01/1986, 1151 EDT	<b>Registration:</b>	N66989
<b>Aircraft:</b>	CESSNA 152	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

THE PLT FLEW THE AIRCRAFT TWICE, ANOTHER PLT FLEW IT ONCE THEN THE PLT ATTEMPTED ANOTHER FLIGHT. HE REPORTED TO APP CONTROL THAT HE THOUGHT HE WAS OUT OF FUEL. AN OFF AIRPORT LANDING WAS ATTEMPTED. EXAMINATION OF THE AIRCRAFT SHOWED LESS THAN ONE GALLON OF FUEL. THE AIRCRAFT WAS RECOVERED AND THE ENGINE RAN OK USING THE AIRCRAFT FUEL SYSTEM.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL  
Phase of Operation: CRUISE - NORMAL

### Findings

1. (C) FLUID,FUEL - EXHAUSTION
  2. (C) FUEL SUPPLY - MISJUDGED - PILOT IN COMMAND
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Occurrence #2: FORCED LANDING  
Phase of Operation: DESCENT - EMERGENCY

### Findings

3. FLUID - EXHAUSTION
  4. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
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Occurrence #3: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

### Findings

5. EMERGENCY PROCEDURE - IMPROPER USE OF - PILOT IN COMMAND
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Occurrence #4: NOSE DOWN  
Phase of Operation: LANDING - ROLL

### Findings

6. LANDING GEAR,NOSE GEAR - BUCKLED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	47, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	07/16/1986
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	194 hours (Total, all aircraft), 150 hours (Total, this make and model), 164 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N66989
<b>Model/Series:</b>	152 152	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	15281708
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	09/04/1985, Annual	<b>Certified Max Gross Wt.:</b>	1670 lbs
<b>Time Since Last Inspection:</b>	31 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	383 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-235-12C
<b>Registered Owner:</b>	NAOMI A. LAIRD	<b>Rated Power:</b>	110 hp
<b>Operator:</b>	NAOMI A. LAIRD	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CRW, 982 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	1150	Direction from Accident Site:	35°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	5 Miles
Lowest Ceiling:	Broken / 4500 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	16° C / 15° C
Precipitation and Obscuration:			
Departure Point:	LANCASTER, OH (I15)	Type of Flight Plan Filed:	None
Destination:	CHARLESTON, WV (CRW)	Type of Clearance:	None
Departure Time:	1100 EDT	Type of Airspace:	Class G

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	CHARLES T FOUTS	Report Date:	
Additional Participating Persons:	CHESTER BAIRD; CHARLESTON, WV		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinquiry@ntsb.gov">pubinquiry@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</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](#).