



National Transportation Safety Board Aviation Accident Data Summary

Location:	COATSVILLE, PA	Accident Number:	NYC92LA072
Date & Time:	04/01/1992, 1158 EST	Registration:	N49436
Aircraft:	CESSNA 152	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE STUDENT PILOT DID NOT COMPENSATE PROPERLY FOR ADVERSE WINDS IN THE LANDING PATTERN. WHEN TURNING FINAL APPROACH, HE OVERSHOT THE RUNWAY AND HAD DIFFICULTY ALIGNING WITH THE RUNWAY. DURING THE FLARE, THE AIRPLANE BALLOONED, THE AIRSPEED DROPPED TO 45 KNOTS, THE AIRPLANE STALLED AND STRUCK THE RUNWAY.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
THE FAILURE OF THE STUDENT PILOT TO COMPENSATE FOR ADVERSE WINDS DURING LANDING, WHICH RESULTED IN A LOSS OF AIRSPEED AND SUBSEQUENT STALL AND LOSS OF CONTROL. A FACTOR RELATED TO THE ACCIDENT WAS THE STUDENT PILOT'S LACK OF TOTAL FLIGHT EXPERIENCE.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) WEATHER CONDITION - UNFAVORABLE WIND
 2. PLANNED APPROACH - IMPROPER - PILOT IN COMMAND
 3. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND
 4. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
 5. GO-AROUND - NOT PERFORMED - PILOT IN COMMAND
 6. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
 7. (C) STALL - INADVERTENT - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

8. TERRAIN CONDITION - RUNWAY

Pilot Information

Certificate:	Student	Age:	38
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	40 hours (Total, all aircraft), 40 hours (Total, this make and model), 9 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N49436
Model/Series:	152 152	Engines:	1 Reciprocating
Operator:	HERVEY M. WENDLE	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-235-L2C
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	Unknown / 0 ft agl	Wind Speed/Gusts, Direction:	7 knots / 17 knots, 230°
Temperature:		Visibility	0 Miles
Precipitation and Obscuration:			
Departure Point:	WESTMINISTER, MD (W54)	Destination:	

Airport Information

Airport:	CHESTER COUNTY (40N)	Runway Surface Type:	Asphalt
Runway Used:	29	Runway Surface Condition:	Dry
Runway Length/Width:	5400 ft / 100 ft		

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): Charles F Leonard

Adopted Date: 08/13/1993

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 pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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