



# Aviation Investigation Final Report

<b>Location:</b>	CRAWFORD, Nebraska	<b>Accident Number:</b>	CHI93LA177
<b>Date &amp; Time:</b>	May 21, 1993, 16:20 Local	<b>Registration:</b>	N2976N
<b>Aircraft:</b>	CESSNA 120	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	1 Fatal
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PILOT WAS ON A ROUND-ROBIN OUT OF RAPID CITY, SD. DURING A REFUELING STOP AT CHADRON, NE, HE INQUIRED ABOUT SCENIC SPOTS IN THE AREA. AFTER HEARING ABOUT A RIDGE SOUTH OF THE AIRPORT, THE PILOT SAID THAT HE WOULD PROBABLY TAKE A LOOK AT IT. THE AIRPLANE IMPACTED THE GROUND IN A VERTICAL DESCENT.

## 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 ADEQUATE AIRSPEED.

### Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: MANEUVERING

#### Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: MANEUVERING

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport; Commercial	<b>Age:</b>	48, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Airship; Balloon	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 2 Unknown	<b>Last FAA Medical Exam:</b>	November 1, 1992
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2035 hours (Total, all aircraft), 215 hours (Total, this make and model), 1936 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N2976N
<b>Model/Series:</b>	120 120	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	13234
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	August 3, 1992 Annual	<b>Certified Max Gross Wt.:</b>	1450 lbs
<b>Time Since Last Inspection:</b>	22 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2224 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	C-85-12
<b>Registered Owner:</b>	RONALD BRODOWICZ/VERA VIRCHOW	<b>Rated Power:</b>	85 Horsepower
<b>Operator:</b>	RONALD BRODOWICZ/VERA VIRCHOW	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	CDR ,3296 ft msl	<b>Distance from Accident Site:</b>	18 Nautical Miles
<b>Observation Time:</b>	18:50 Local	<b>Direction from Accident Site:</b>	35°
<b>Lowest Cloud Condition:</b>	Scattered / 6000 ft AGL	<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	Broken / 10000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	12 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	140°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	24°C / 13°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	CHADRON , NE (CDR)	<b>Type of Flight Plan Filed:</b>	VFR
<b>Destination:</b>	RAPID CITY , SD (RAP)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	13:20 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Fatal	<b>Latitude, Longitude:</b>	42.680435,-103.410095(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Dinwiddie, Carl
<b>Additional Participating Persons:</b>	BILL NEWBY; LINCLON , NE
<b>Original Publish Date:</b>	February 28, 1994
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=15720">https://data.nts.gov/Docket?ProjectID=15720</a>

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