



# Aviation Investigation Final Report

<b>Location:</b>	TIOGA, Texas	<b>Accident Number:</b>	FTW85FA245
<b>Date &amp; Time:</b>	June 3, 1985, 20:05 Local	<b>Registration:</b>	N3180N
<b>Aircraft:</b>	Cessna 140	<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

WITNESSES OBSERVED THE ACFT APCHG FROM THE NORTHWEST AT AN ESTIMATED ALT OF ABOUT 100 FT AGL. AS IT PASSED THEIR POSITION, THE PLT ROLLED INTO A STEEP (90 DEG) RIGHT BANK, THEN ROLL BACK OUT. THE WITNESSES REPORTED THAT AFTER THE ACFT ROLLED OUT OF THE BANK, IT APPEARED TO BE 'SUSPENDED IN MIDAIR' & THE 'WINGS ROCKED BACK AND FORTH.' THE NOSE THEN DROPPED & THE ACFT IMPACTED THE GROUND IN ABOUT A 15 DEG, NOSE DOWN ATTITUDE. AFTER IMPACT THE ACFT SKIDDED ABOUT 54 FT & CAME TO REST. NO PREIMPACT PART FAILURE OR MALFUNCTION WAS FND. A CHECK OF THE PLT'S BLOOD SHOWED AN ALCOHOL LVL OF 0.132%. WITNESSES REPORTED THAT THE WIND WAS FROM THE SOUTHEAST AT 15 GUSTING 25 KTS.

## Probable Cause and Findings

### Findings

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

#### Findings

1. (C) JUDGMENT - POOR - PILOT IN COMMAND
2. (C) IMPAIRMENT(ALCOHOL) - PILOT IN COMMAND
3. LOW PASS - PERFORMED - PILOT IN COMMAND
4. MANEUVER - INITIATED - PILOT IN COMMAND
5. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
6. (C) STALL - INADVERTENT - PILOT IN COMMAND

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

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	41, 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>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	March 8, 1984
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	420 hours (Total, all aircraft), 340 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N3180N
<b>Model/Series:</b>	140 140	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	13438
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	June 14, 1984 Annual	<b>Certified Max Gross Wt.:</b>	1500 lbs
<b>Time Since Last Inspection:</b>	38 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3429 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	C-85-16F
<b>Registered Owner:</b>	MARK Z. KARDUM	<b>Rated Power:</b>	85 Horsepower
<b>Operator:</b>		<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>	ADD ,643 ft msl	<b>Distance from Accident Site:</b>	25 Nautical Miles
<b>Observation Time:</b>	20:00 Local	<b>Direction from Accident Site:</b>	120°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	15 knots / 25 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	135°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	32°C / 19°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	0 ft / 0 ft	<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>	33.470748,-96.910964(est)

## Administrative Information

**Investigator In Charge (IIC):** Wandel, Warren

**Additional Participating Persons:** J. C. PIERCE, JR; DALLAS , TX  
W. S ROSS; WICHITA , KS  
MEL BRIDGEWATER; MOBILE , AL

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=21553>

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