



# Aviation Investigation Final Report

<b>Location:</b>	EL PASO, Texas	<b>Accident Number:</b>	FTW84LA128
<b>Date &amp; Time:</b>	February 2, 1984, 13:05 Local	<b>Registration:</b>	N49086
<b>Aircraft:</b>	RYAN                      PT-22C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

INVESTIGATION REVEALED A TOUCH-AND-GO LANDING WAS COMPLETED WHEN THE ACFT BECAME AIRBOURNE PREMATURELY AND DRIFTED SLOWLY LEFT IN A LIGHT CROSSWIND. AFTER FLYING ABOUT 2000 FT THE MAIN GEAR STRUCK THE TOP OF A SAND DUNE AND THE ACFT NOSED OVER.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

#### Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) ROTATION - PREMATURE - PILOT IN COMMAND
3. (C) LACK OF RECENT EXPERIENCE IN KIND OF AIRCRAFT - PILOT IN COMMAND
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
5. (F) TOUCH-AND-GO - PERFORMED - PILOT IN COMMAND

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Occurrence #2: NOSE OVER  
Phase of Operation: TAKEOFF - ROLL/RUN

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport; Commercial; Flight engineer	<b>Age:</b>	37, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Rear
<b>Other Aircraft Rating(s):</b>	None	<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>	No
<b>Medical Certification:</b>	None Valid Medical—no waivers/lim.	<b>Last FAA Medical Exam:</b>	June 21, 1983
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	7000 hours (Total, all aircraft), 22 hours (Total, this make and model), 4000 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	RYAN	<b>Registration:</b>	N49086
<b>Model/Series:</b>	PT-22C PT-22C	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	154
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	November 1, 1983 Annual	<b>Certified Max Gross Wt.:</b>	1885 lbs
<b>Time Since Last Inspection:</b>	25 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2200 Hrs	<b>Engine Manufacturer:</b>	Ranger
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	R5
<b>Registered Owner:</b>	THOMAS L SWEET	<b>Rated Power:</b>	145 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>	ELP ,3956 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	13:05 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	350°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	18°C / -3°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>	13:00 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	EL PASO INTERNATIONAL ELP	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	3956 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	26R	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5600 ft / 75 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 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>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	31.779584,-106.300712(est)

## Administrative Information

**Investigator In Charge (IIC):** Mcfall, T

**Additional Participating Persons:** JOHN C SANDERS; ALBUQUERQUE , NM

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=21252>

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