



National Transportation Safety Board Aviation Accident Final Report

Location:	WEST COLUMBIA, SC	Accident Number:	ATL86FMG03
Date & Time:	01/15/1986, 0950 EST	Registration:	N441CD
Aircraft:	CESSNA 441	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

DURING FINAL APPROACH THE PLT NOTICED ACFT FLYING 'UNUSUAL' AND ELECTED GO-AROUND. DURING POWER-UP, THE ACFT LOST POWER AND A FORCED LANDING WAS MADE ON A RESIDENTIAL STREET NEAR THE ARPT. THE PLT STATED THAT HE HAD INADVERTENTLY PLACED THE FUEL SELECTOR IN X-FEED AND HAD EXHAUSTED THE FUEL SUPPLY IN THE RIGHT WING BY FEEDING BOTH ENGINES. THERE WERE NO REPORTED MECHANICAL PROBLEMS PRIOR TO THE ACCIDENT.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: GO-AROUND (VFR)

Findings

1. FLUID,FUEL - STARVATION
 2. (C) FUEL TANK SELECTOR POSITION - IMPROPER - PILOT IN COMMAND
 3. (C) IN-FLIGHT PLANNING/DECISION - POOR - PILOT IN COMMAND
 4. (F) CHECKLIST - NOT FOLLOWED - PILOT IN COMMAND
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Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Commercial	Age:	41, Male
Airplane Rating(s):	Multi-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):		Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	09/15/1985
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	3053 hours (Total, all aircraft), 873 hours (Total, this make and model), 14002 hours (Pilot In Command, all aircraft), 28 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N441CD
Model/Series:	441 441	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	441-0131
Landing Gear Type:	Retractable - Tricycle	Seats:	9
Date/Type of Last Inspection:	07/17/1985, Unknown	Certified Max Gross Wt.:	9850 lbs
Time Since Last Inspection:	68 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	1069 Hours	Engine Manufacturer:	AIRESEARCH
ELT:	Installed, not activated	Engine Model/Series:	TPE331-8
Registered Owner:	COLONIAL OIL INDUSTRIES, INC.	Rated Power:	715 hp
Operator:	COLONIAL OIL INDUSTRIES, INC.	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CAE, 236 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	0952 EST	Direction from Accident Site:	300°
Lowest Cloud Condition:	Scattered / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	80°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	4° C / -7° C
Precipitation and Obscuration:			
Departure Point:	SAVANNAH, GA (SAV)	Type of Flight Plan Filed:	IFR
Destination:	WEST COLUMBIA, SC (CAE)	Type of Clearance:	IFR
Departure Time:	0918 EST	Type of Airspace:	

Airport Information

Airport:	COLUMBIA METRO (CAE)	Runway Surface Type:	Asphalt
Airport Elevation:	236 ft	Runway Surface Condition:	Dry
Runway Used:	11	IFR Approach:	Visual
Runway Length/Width:	8600 ft / 150 ft	VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	WILLIAM R NEELY	Report Date:	
Additional Participating Persons:			
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.ntsb.gov/pubdms/ .		

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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](#).