



National Transportation Safety Board Aviation Accident Final Report

Location:	LANDER, WY	Accident Number:	DEN86MA241
Date & Time:	08/28/1986, 2313 MDT	Registration:	N2727A
Aircraft:	CESSNA 441	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	7 Fatal
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

ON 5/1/86, THE PLT HAD AN ACOUSTIC TUMOR REMOVED FM HIS RGT EAR WHICH INCLUDED THE REMOVAL OF THE 8TH NERVE (BALANCE NERVE). HIS ATTENDING PHYSICIAN SUGGESTED APRX A 1 YR PERIOD OF RECUPERATION DUE TO EQUILIBRIUM PROBLEMS ASSOCIATED WITH THIS TYPE OF SURGERY. ON 7/12/86, HE HAD A 1ST CLASS MEDICAL EXAM & RECEIVED A MEDICAL CERTIFICATE WHICH WAS VALID FOR FLT TEST ONLY. ON 8/28/86, WHILE TAKING OFF AT NGT, THE ACFT COLLIDED WITH RISING TERRAIN APRX 1.5 MI FM THE END OF THE RWY AT AN ELEV OF ABOUT 5600'. THE ARPT ELEV WAS 5586'. A WITNESS STATED THAT HE SAW THE ACFT TAKEOFF, BUT IT DID NOT CLIMB AFTER TAKEOFF. AN INVESTIGATION REVEALED THAT THE ACDNT OCCURRED IN AN AREA THAT WAS ISOLATED FM GND LGTS. A POST CRASH EXAM REVEALED NO EVIDENCE OF A MECHANICAL FAILURE OR MALFUNCTION OF THE ACFT STRUCTURE, FLT CONTROLS, ENG OR PROPELLERS. ACCORDING TO THE PLT'S LOG BOOK, HIS LAST NGT FLT WAS ON 3/22/85. HE HAD BEEN ON DUTY FOR APRX 14 HRS WHEN THE ACDNT OCCURRED.

Probable Cause and Findings

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

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: TAKEOFF

Findings

1. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT IN COMMAND
2. (F) QUALIFICATION - PILOT IN COMMAND
3. (F) LACK OF RECENT EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND
4. (C) PHYSICAL IMPAIRMENT - PILOT IN COMMAND
5. (F) LIGHT CONDITION - DARK NIGHT
6. (C) PROPER CLIMB RATE - NOT ATTAINED - PILOT IN COMMAND
7. (C) SPATIAL DISORIENTATION - PILOT IN COMMAND
8. (F) FATIGUE - PILOT IN COMMAND
9. (F) VISUAL/AURAL PERCEPTION - PILOT IN COMMAND
10. (F) TERRAIN CONDITION - MOUNTAINOUS/HILLY
11. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	53, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	06/12/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	18500 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2727A
Model/Series:	441 441	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	441-201
Landing Gear Type:	Retractable - Tricycle	Seats:	11
Date/Type of Last Inspection:	06/08/1986, 100 Hour	Certified Max Gross Wt.:	9850 lbs
Time Since Last Inspection:		Engines:	2 Turbo Prop
Airframe Total Time:	1245 Hours	Engine Manufacturer:	AIRESEARCH
ELT:	Installed, not activated	Engine Model/Series:	TPE 331
Registered Owner:	NOLAN'S RV CENTER INC.	Rated Power:	636 hp
Operator:	DENVER AIR CENTER	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:	SKYCAB	Operator Designator Code:	CIMA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	20 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:	RIVERTON, WY (RIV)	Type of Clearance:	None
Departure Time:	2312 MDT	Type of Airspace:	Class G

Airport Information

Airport:	HUNT (LND)	Runway Surface Type:	Asphalt
Airport Elevation:	5586 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	5100 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	6 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	7 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	GREGORY A FEITH	Report Date:	03/07/1988
Additional Participating Persons:	BUD HARDESTY; CASPER, WY TERRY SPATH; WICHITA, KS PETER BAKER; PHOENIX, AZ		
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.nts.gov/pubdms/ .		

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