



National Transportation Safety Board Aviation Accident Data Summary

Location:	TAOS, NM	Accident Number:	DEN91FA048
Date & Time:	03/01/1991, 2141 MST	Registration:	N761MU
Aircraft:	CESSNA T210M	Injuries:	1 Fatal
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

THE AIRCRAFT WAS DEICED WITH PURE ETHYLENE GLYCOL AT ROOM TEMPERATURE AND THEN DEPARTED ON AN IFR FLIGHT IN FREEZING RAIN AND SNOW WITH A TEMPERATURE/DEW POINT OF 33/31. DEPARTURE INSTRUCTIONS WERE FOR A RIGHT TURN TO THE NORTH FOLLOWING TAKEOFF AND DIRECT TO THE VOR. THE AIRCRAFT WAS FOUND NINE HOURS AFTER DEPARTING, SCATTERED IN A FIELD, 1.5 MILES NORTH OF THE AIRPORT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S DECISION TO INITIATE FLIGHT INTO FREEZING RAIN WHICH RESULTED IN STRUCTURAL ICING THAT EXCEEDED THE ABILITY OF THE AIRCRAFT TO MAINTAIN FLIGHT. A FACTOR WAS: IMPROPER DEICING.

Findings

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

Findings

1. (C) WEATHER CONDITION - ICING CONDITIONS
2. (F) ICE/FROST REMOVAL FROM AIRCRAFT - IMPROPER - GROUND PERSONNEL

Pilot Information

Certificate:	Private	Age:	65
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	
Flight Time:	4350 hours (Total, all aircraft), 1250 hours (Total, this make and model), 3575 hours (Pilot In Command, all aircraft), 50 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N761MU
Model/Series:	T210M T210M	Engines:	1 Reciprocating
Operator:	NEW MEXICO FLYING SERVICE	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	TSIO-520-M
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	SKX, 7091 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 900 ft agl	Wind Speed/Gusts, Direction:	6 knots / , 100°
Temperature:	1°C	Visibility	4 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	ALBUQUERQUE, NM (ABQ)

Airport Information

Airport:	TAOS MUNICIPAL (SKX)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	NORMAN F WIEMEYER	Adopted Date:	05/05/1993
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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