



National Transportation Safety Board Aviation Accident Final Report

Location:	DOUGLAS, WY	Accident Number:	DEN84FA122
Date & Time:	04/01/1984, 1400 MST	Registration:	N414EM
Aircraft:	CESSNA 414A	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Serious, 2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

DURING AN APPROACH FOR A DOWNWIND LANDING, THE ACFT STALLED & IMPACTED THE GROUND 192 FT SHORT OF RWY 28. THE PLANE HAD ENCOUNTERED ICING CONDITIONS DURING FLT & ICE WAS STILL ADHERING TO THE ACFT AS THE PLT MADE AN APPROACH FOR LANDING. INSTRUMENT CONDITIONS EXISTED & THE RWY WAS COVERED WITH SNOW. THE PLT STATED THAT HE DID NOT ALLOW FOR THE ICE & WAS TRYING TO TOUCH DOWN ON THE APPROACH END OF THE RWY SO THAT THE ACFT WOULD NOT CONTINUE OF THE DEPARTURE END.

Probable Cause and Findings

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

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER
Phase of Operation: CRUISE

Findings

1. (F) FLIGHT INTO KNOWN ADVERSE WEATHER - PERFORMED - PILOT IN COMMAND
2. (F) WEATHER CONDITION - CLOUDS
3. (F) WEATHER CONDITION - LOW CEILING
4. (F) WEATHER CONDITION - SNOW
5. (F) WEATHER CONDITION - ICING CONDITIONS
6. (F) WING - ICE

Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH

Findings

7. (F) WEATHER CONDITION - TAILWIND
8. (F) WRONG RUNWAY - SELECTED - PILOT IN COMMAND
9. (C) AIRSPEED - INADEQUATE - PILOT IN COMMAND
10. (C) STALL/MUSH - INADVERTENT - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: APPROACH

Findings

11. (F) TERRAIN CONDITION - SNOW COVERED

Factual Information

Pilot Information

Certificate:	Commercial	Age:	58, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	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--w/ waivers/lim.	Last FAA Medical Exam:	11/12/1982
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	6835 hours (Total, all aircraft), 566 hours (Total, this make and model), 6651 hours (Pilot In Command, all aircraft), 32 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N414EM
Model/Series:	414A 414A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	414A0654
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	12/05/1983, Annual	Certified Max Gross Wt.:	6750 lbs
Time Since Last Inspection:	16 Hours	Engines:	2 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	TSIO-520
Registered Owner:	EDWARD MOORE	Rated Power:	310 hp
Operator:	EDWARD MOORE	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DGW, 4875 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1349 MST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 800 ft agl	Visibility	1 Miles
Lowest Ceiling:	Overcast / 800 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	90°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	-1° C / -1° C
Precipitation and Obscuration:			
Departure Point:	BORREGO SPRINGS, CA (L08)	Type of Flight Plan Filed:	IFR
Destination:	(DGW)	Type of Clearance:	IFR
Departure Time:	1000 MST	Type of Airspace:	Class E

Airport Information

Airport:	CONVERSE COUNTY (DGW)	Runway Surface Type:	Asphalt
Airport Elevation:	4876 ft	Runway Surface Condition:	Snow--wet
Runway Used:	28	IFR Approach:	VOR
Runway Length/Width:	5066 ft / 75 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Serious, 2 None	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	2 Serious, 2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	GREGORY A FEITH	Report Date:	
Additional Participating Persons:	SCOTT HUTCHINSON; CASPER, WY		
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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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](#).