



National Transportation Safety Board Aviation Accident Final Report

Location:	MARBLE FALLS, TX	Accident Number:	FTW85FA086
Date & Time:	12/25/1984, 2020 CST	Registration:	N441CM
Aircraft:	CESSNA 441	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

THE ACFT CRASHED APRX 1.5 MILES SOUTH OF THE DEPARTURE END OF RWY 17 DURING AN ATTEMPTED RWY 17 NDB APCH. THE ACFT WAS CLEARED FOR THE APCH AT 2012 CST AND THE PLT CANCELED IFR REPORTING THE ARPT IN SIGHT AT 2014. A WITNESS LOCATED APRX 1 MILE SOUTH OF THE ARPT REPORTED SEEING THE ACFT LIGHTS THROUGH THE CLOUDS, MIST AND FOG AS IT WAS TRAVELING SOUTH-SOUTHEAST. THE ACFT IMPACTED THE GROUND ON A HEADING OF 035 DEGS IN A 10 TO 15 DEG LEFT BANK. RADAR DATA INDICATES THE ACFT WAS APRX 8 MILES FROM THE ARPT WHEN IFR WAS CANCELED. WITNESSES STATED VISIBILITY IN THE AREA WAS ABOUT 1/8 OF A MILE DURING THE TIME OF THE ACCIDENT.

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: MANEUVERING - TURN TO REVERSE DIRECTION

Findings

1. (F) WEATHER CONDITION - LOW CEILING
2. (F) WEATHER CONDITION - FOG
3. (C) IN-FLIGHT PLANNING/DECISION - POOR - PILOT IN COMMAND
4. (C) IFR PROCEDURE - NOT FOLLOWED - PILOT IN COMMAND
5. (F) MISSED APPROACH - NOT PERFORMED - PILOT IN COMMAND
6. (C) PROPER ALTITUDE - NOT MAINTAINED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	50, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	07/14/1984
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	9165 hours (Total, all aircraft), 608 hours (Total, this make and model), 6502 hours (Pilot In Command, all aircraft), 50 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N441CM
Model/Series:	441 441	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	441-0169
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	11/14/1984, Continuous Airworthiness	Certified Max Gross Wt.:	9850 lbs
Time Since Last Inspection:	15 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	2799 Hours	Engine Manufacturer:	AIRESEARCH
ELT:	Installed, not activated	Engine Model/Series:	TPE3318401S
Registered Owner:	CLINTON MANGES OIL & REF. CO	Rated Power:	715 hp
Operator:	CLINTON MANGES	Operating Certificate(s) Held:	None
Operator Does Business As:	CLINTON MANGES OIL & REF. CO.	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	AUS, 632 ft msl	Distance from Accident Site:	31 Nautical Miles
Observation Time:	2014 CST	Direction from Accident Site:	68°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	4 Miles
Lowest Ceiling:	Overcast / 500 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	360°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-18°C / -18°C
Precipitation and Obscuration:			
Departure Point:	ASPEN, CO (ASE)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	1700 CST	Type of Airspace:	Airport Advisory Area

Airport Information

Airport:	MARBLE FALLS (MFS)	Runway Surface Type:	Asphalt
Airport Elevation:	1117 ft	Runway Surface Condition:	Wet
Runway Used:	35	IFR Approach:	ADF/NDB
Runway Length/Width:	6000 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	WARREN V WANDEL	Report Date:	
Additional Participating Persons:	KENNETH TIPTON; SAN ANTONIO, TX		
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/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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](#).