



# Aviation Investigation Final Report

<b>Location:</b>	SANTA FE, Texas	<b>Accident Number:</b>	FTW91DRA05
<b>Date &amp; Time:</b>	July 4, 1991, 18:31 Local	<b>Registration:</b>	N20LL
<b>Aircraft:</b>	DANIEL LA LEE MUSTANG M-1	MIGET	<b>Aircraft Damage:</b> Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	1 Fatal
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PILOT HAD BEEN PERFORMING AEROBATIC MANEUVERS OVER THE CITY AND INITIATED A LOOP AT LOW ALTITUDE. AT THE BOTTOM OF THE LOOP, ON A NORTHERLY HEADING, THE AIRPLANE BANKED SHARPLY TO THE LEFT AND IMPACTED THE GROUND. ELECTRICAL POWER LINES RAN IN AN EAST-WEST DIRECTION A SHORT DISTANCE NORTH OF THE POINT OF IMPACT. WITNESS STATEMENTS WERE CONTRADICTORY REFERENCE WHETHER THE MANEUVER WAS AN OUTSIDE OR INSIDE LOOP.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S PERFORMANCE OF AN AEROBATIC MANEUVER AT AN ALTITUDE INADEQUATE TO ALLOW FOR SAFE RECOVERY.

## Findings

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

### Findings

1. AEROBATICS - PERFORMED - PILOT IN COMMAND
2. (C) ALTITUDE - INADEQUATE - PILOT IN COMMAND



## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	25, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	August 6, 1990
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1700 hours (Total, all aircraft), 10 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	DANIEL LA LEE	<b>Registration:</b>	N20LL
<b>Model/Series:</b>	MIGET MUSTANG M-1 MIGET MUST	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	534
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	June 13, 1991 Annual	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>	20 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	O-200
<b>Registered Owner:</b>	WILLIAM L. GOTTENBERG	<b>Rated Power:</b>	100 Horsepower
<b>Operator:</b>	STACY L. WILLIAMS	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 3000 ft AGL	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	Broken / 25000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	210°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 23°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Fatal	<b>Latitude, Longitude:</b>	29.379842,-95.090835(est)

## Administrative Information

**Investigator In Charge (IIC):** Pace, Thomas

**Additional Participating Persons:**

**Original Publish Date:** March 9, 1993

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=23218>

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