



# Aviation Investigation Final Report

|                                |                                      |                         |             |
|--------------------------------|--------------------------------------|-------------------------|-------------|
| <b>Location:</b>               | BUTLER, Pennsylvania                 | <b>Accident Number:</b> | NYC83LA067  |
| <b>Date &amp; Time:</b>        | February 19, 1983, 17:15 Local       | <b>Registration:</b>    | N2694W      |
| <b>Aircraft:</b>               | MOONEY M20E                          | <b>Aircraft Damage:</b> | Substantial |
| <b>Defining Event:</b>         |                                      | <b>Injuries:</b>        | 2 None      |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |             |

## Analysis

AFTER LANDING ON RWY 25 THE PLT EXITED ONTO A TAXIWAY NEAR MIDFIELD TO WAIT FOR ANOTHER ACFT DEPARTING RWY 7. THE WIND WAS CALM & THE PLT ELECTED TO DEPART RWY 7 AS DID THE OTHER ACFT. THE GEAR WAS PREMATURELY RETRACTED DURING THE TAKEOFF ROLL.

## Probable Cause and Findings

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

### Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: TAKEOFF - ROLL/RUN

#### Findings

1. (F) ALL AVAILABLE RUNWAY - NOT USED - PILOT IN COMMAND
2. (C) GEAR RETRACTION - PREMATURE - PILOT IN COMMAND
3. (F) ABORTED TAKEOFF - PERFORMED - PILOT IN COMMAND

## Factual Information

### Pilot Information

|                                  |   |  |                  |
|----------------------------------|---|--|------------------|
| <b>Certificate:</b>              | Commercial; Flight instructor   | <b>Age:</b>                              | 40, Male         |
| <b>Airplane Rating(s):</b>       | Single-engine land; Multi-engine land   | <b>Seat Occupied:</b>                    | Left             |
| <b>Other Aircraft Rating(s):</b> |   | <b>Restraint Used:</b>                   |                  |
| <b>Instrument Rating(s):</b>     | Airplane  | <b>Second Pilot Present:</b>             | No               |
| <b>Instructor Rating(s):</b>     | Airplane multi-engine; Airplane single-engine   | <b>Toxicology Performed:</b>             | No               |
| <b>Medical Certification:</b>    | Class 2 Valid Medical--no waivers/lim.  | <b>Last FAA Medical Exam:</b>            | December 1, 1982 |
| <b>Occupational Pilot:</b>       | No  | <b>Last Flight Review or Equivalent:</b> |                  |
| <b>Flight Time:</b>              | 1730 hours (Total, all aircraft), 257 hours (Total, this make and model), 1546 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft) |  |                  |

## Aircraft and Owner/Operator Information

|                                      |                          |                                       |                 |
|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | MOONEY                   | <b>Registration:</b>                  | N2694W          |
| <b>Model/Series:</b>                 | M20E M20E                | <b>Aircraft Category:</b>             | Airplane        |
| <b>Year of Manufacture:</b>          |                          | <b>Amateur Built:</b>                 |                 |
| <b>Airworthiness Certificate:</b>    | Normal                   | <b>Serial Number:</b>                 | 1009            |
| <b>Landing Gear Type:</b>            | Retractable - Tricycle   | <b>Seats:</b>                         | 4               |
| <b>Date/Type of Last Inspection:</b> | October 10, 1982 Annual  | <b>Certified Max Gross Wt.:</b>       | 2575 lbs        |
| <b>Time Since Last Inspection:</b>   | 1723 Hrs                 | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          | 17278 Hrs                | <b>Engine Manufacturer:</b>           | LYCOMING        |
| <b>ELT:</b>                          | Installed, not activated | <b>Engine Model/Series:</b>           | IO-360-A1A      |
| <b>Registered Owner:</b>             | R.D.KUSHNER              | <b>Rated Power:</b>                   | 200 Horsepower  |
| <b>Operator:</b>                     |                          | <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>          | Clear                            | <b>Visibility</b>                           | 10 miles |
| <b>Lowest Ceiling:</b>                  | None                             | <b>Visibility (RVR):</b>                    |          |
| <b>Wind Speed/Gusts:</b>                | /                                | <b>Turbulence Type Forecast/Actual:</b>     | /        |
| <b>Wind Direction:</b>                  | 350°                             | <b>Turbulence Severity Forecast/Actual:</b> | /        |
| <b>Altimeter Setting:</b>               |                                  | <b>Temperature/Dew Point:</b>               | 6°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>                  | 17:15 Local                      | <b>Type of Airspace:</b>                    |          |

## Airport Information

|                             |                   |                                  |         |
|-----------------------------|-------------------|----------------------------------|---------|
| <b>Airport:</b>             | BUTLER COUNTY BTP | <b>Runway Surface Type:</b>      | Asphalt |
| <b>Airport Elevation:</b>   | 1248 ft msl       | <b>Runway Surface Condition:</b> | Dry     |
| <b>Runway Used:</b>         | 7                 | <b>IFR Approach:</b>             | None    |
| <b>Runway Length/Width:</b> | 4000 ft / 100 ft  | <b>VFR Approach/Landing:</b>     | None    |

## Wreckage and Impact Information

|                            |        |                             |                           |
|----------------------------|--------|-----------------------------|---------------------------|
| <b>Crew Injuries:</b>      | 1 None | <b>Aircraft Damage:</b>     | Substantial               |
| <b>Passenger Injuries:</b> | 1 None | <b>Aircraft Fire:</b>       | None                      |
| <b>Ground Injuries:</b>    | N/A    | <b>Aircraft Explosion:</b>  | None                      |
| <b>Total Injuries:</b>     | 2 None | <b>Latitude, Longitude:</b> | 40.859771,-79.890075(est) |

## Administrative Information

**Investigator In Charge (IIC):** Taylor, Vernon

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=35154>

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