



National Transportation Safety Board Aviation Accident Data Summary

Location:	ALBUQUERQUE, NM	Accident Number:	DEN84LA205
Date & Time:	07/01/1984, 1215 MDT	Registration:	N2166X
Aircraft:	MOONEY 20E	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PILOT FUELED THE AIRCRAFT WITH MINIMUM FUEL FOR THE INTENDED FLIGHT AND DID NOT RECALCULATE CONSUMPTION AFTER A ROUTE CHANGE WHICH EXTENDED FLIGHT. POWER LOSS OCCURRED ABOUT 1/4 MILE FROM DESTINATION. THE PILOT ATTEMPTED TO GLIDE TO THE RWY, BUT WAS UNABLE TO REACH IT. HE REPORTED THAT THE ACFT IMPACTED ON RISING TERRAIN (APRX 30 DEG) AT THE END OF THE RWY.

Probable Cause

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (C) FUEL CONSUMPTION CALCULATIONS - NOT PERFORMED - PILOT IN COMMAND
2. (C) FLUID,FUEL - EXHAUSTION
3. (C) FUEL SUPPLY - MISJUDGED - PILOT IN COMMAND

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: LANDING

Findings

4. (F) TERRAIN CONDITION - RISING

Pilot Information

Certificate:	Private	Age:	31
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	203 hours (Total, all aircraft), 55 hours (Total, this make and model), 40 hours (Last 90 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	MOONEY	Registration:	N2166X
Model/Series:	20E 20E	Engines:	1 Reciprocating
Operator:	DAVID CUMMINGS HERRELL	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-360-A1A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	Overcast / 25000 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 210°
Temperature:	29° C	Visibility	60 Miles
Precipitation and Obscuration:			
Departure Point:	WINSLOW, AZ (1NW)	Destination:	

Wreckage and Impact Information

Crew Injuries:	1 Minor	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):	GARY R MUCHO	Adopted 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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