



# Aviation Investigation Final Report

<b>Location:</b>	Clovis, New Mexico	<b>Accident Number:</b>	CEN09CA118
<b>Date &amp; Time:</b>	December 22, 2008, 17:45 Local	<b>Registration:</b>	N70LR
<b>Aircraft:</b>	Socata TBM 700	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Miscellaneous/other	<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

The pilot was approaching the non-towered airport from the north, making a straight-in approach to runway 22, and was using the autopilot while still nine miles out. There was a 15-knot headwind and the airplane was still fast and a little high when 4.2 miles out, but the pilot reduced the power to zero percent and he "reserved" lowering the gear because he was still at 185 knots. The pilot said "the approach felt normal, the next thing I knew we were sliding down the runway". The airplane slid to a stop on the right side of the runway with the landing gear still retracted. There were no injuries to the four persons on board, but substantial damage to the left rear spar and center spar carrythrough and aft fuselage structure.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to complete the before-landing checklist, which led to his failure to lower the gear before landing.

### Findings

<b>Aircraft</b>	Gear extension and retract sys - Not used/operated
<b>Personnel issues</b>	Use of checklist - Pilot
<b>Personnel issues</b>	Forgotten action/omission - Pilot

## Factual Information

### History of Flight

<b>Approach-VFR pattern final</b>	Miscellaneous/other (Defining event)
<b>Landing-flare/touchdown</b>	Landing gear not configured
<b>Landing-landing roll</b>	Runway excursion

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	57, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<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 3 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	March 23, 2007
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	April 21, 2008
<b>Flight Time:</b>	5510 hours (Total, all aircraft), 525 hours (Total, this make and model), 5255 hours (Pilot In Command, all aircraft), 80 hours (Last 90 days, all aircraft), 30 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Socata	<b>Registration:</b>	N70LR
<b>Model/Series:</b>	TBM 700	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	225
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	December 10, 2008 Annual	<b>Certified Max Gross Wt.:</b>	6575 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Turbo prop
<b>Airframe Total Time:</b>	840 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Pratt & Whitney Canada
<b>ELT:</b>	C126 installed	<b>Engine Model/Series:</b>	PT6-64
<b>Registered Owner:</b>	Caterer's Leasing	<b>Rated Power:</b>	700 Horsepower
<b>Operator:</b>	Caterer's Leasing	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Night
<b>Observation Facility, Elevation:</b>	KCVN,4300 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	18:35 Local	<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>	14 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	190°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.82 inches Hg	<b>Temperature/Dew Point:</b>	-1°C / -13°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Clayton, NM (KCAO)	<b>Type of Flight Plan Filed:</b>	Unknown
<b>Destination:</b>	Clovis, NM (KCVN)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	17:15 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Clovis Municipal Airport CVN	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	4216 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	22	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	6200 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop;Straight-in

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	4 None	<b>Latitude, Longitude:</b>	34.421665,-103.074165(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Latson, Thomas
<b>Additional Participating Persons:</b>	Arturo Castillo; FAA Lubbock FSDO; Lubbock, TX
<b>Original Publish Date:</b>	June 11, 2009
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=73184">https://data.nts.gov/Docket?ProjectID=73184</a>

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