

NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public aircraft accidents and incidents

BASIC INFORMATION

Accident/Incident Location Nearest City/Place: <u>PORTALES</u> State: <u>NM</u> ZIP: <u>88130</u> Country: <u>USA</u> Latitude: <u>34-08-43.7N</u> Longitude: <u>103-24-37.2W</u> (Enter in decimal degrees or degrees:minutes:seconds)		Accident/Incident Date/Time Date: <u>07/26/2015</u> Local Time: <u>1:30</u> mm/dd/yyyy Time Zone: <u>MTN</u>	
Collision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None			

AIRCRAFT INFORMATION

Registration Number: <u>N299CB</u> Manufacturer: <u>C. NORTON</u> Model: <u>WITTMAN W8 TAILWIND</u> Serial Number: <u>989</u> Year of Manufacture: <u>2002</u> Amateur-Built: ☒ Yes ☐ No If Yes: ☐ Kit/Plans ☒ Original Design Make: <u>WITTMAN-NORTON</u>		☐ IFR-Equipped and Certified ☐ Commercial Space Flight ☐ Unmanned Aircraft <u>N/A</u>	
Maximum Gross Weight: <u>1300</u> lbs Weight at Time of Accident/Incident: <u>~1200</u> lbs Number of Seats: <u>2</u> Flight Crew Seats: <u>1</u> Cabin Crew Seats: _____ Passenger Seats: <u>1</u> Number of Engines: <u>1</u>			

Category of Aircraft ☒ Airplane ☐ Balloon ☐ Blimp/Dirigible ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift ☐ Rocket ☐ Ultralight ☐ Unknown	Type of Airworthiness Certificate (Check all that apply) <table style="width: 100%;"> <tr> <th>Standard</th> <th>Special</th> </tr> <tr> <td>☐ Normal</td> <td>☐ Restricted</td> </tr> <tr> <td>☐ Aerobatic</td> <td>☐ Limited</td> </tr> <tr> <td>☐ Balloon</td> <td>☐ Provisional</td> </tr> <tr> <td>☐ Commuter</td> <td>☐ Special Flight</td> </tr> <tr> <td>☐ Transport</td> <td>☒ Experimental</td> </tr> <tr> <td>☐ Utility</td> <td>☐ Special Light-Sport</td> </tr> <tr> <td></td> <td>☐ Experimental Light-Sport</td> </tr> </table> ☐ Certificate of Authorization or Waiver (COA) ☐ None ☐ Unknown	Standard	Special	☐ Normal	☐ Restricted	☐ Aerobatic	☐ Limited	☐ Balloon	☐ Provisional	☐ Commuter	☐ Special Flight	☐ Transport	☒ Experimental	☐ Utility	☐ Special Light-Sport		☐ Experimental Light-Sport	Landing Gear (Check all that apply) ☐ Retractable ☐ Tricycle ☒ Tailwheel ☐ Amphibian ☐ High Skid ☐ Emergency Float ☐ Skid ☐ Float ☐ Ski ☐ Hull ☐ Ski/Wheel ☐ Other Launch/Recovery System ☐ None ☐ Unknown	Engine Type (Select one) ☒ Reciprocating ☐ Liquid Rocket ☐ Turbo Shaft ☐ Solid Rocket ☐ Turbo Prop ☐ Hybrid Rocket ☐ Turbo Jet ☐ None ☐ Turbo Fan ☐ Unknown ☐ Electric Fuel System Type (Reciprocating) ☒ Carburetor ☐ Fuel-Injected
Standard	Special																		
☐ Normal	☐ Restricted																		
☐ Aerobatic	☐ Limited																		
☐ Balloon	☐ Provisional																		
☐ Commuter	☐ Special Flight																		
☐ Transport	☒ Experimental																		
☐ Utility	☐ Special Light-Sport																		
	☐ Experimental Light-Sport																		

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Rated Power ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	<u>Continental</u>	<u>C-85-12F</u>	<u>29315-7-12</u>	<u>UNK.</u>	<u>85+</u>	<u>210</u>	<u>15</u>	<u>195</u>
Eng. 2								
Eng. 3								
Eng. 4								

Last Inspection Type ☐ 100-Hour ☐ Continuous Airworthiness ☐ AAIP ☐ Conditional Inspection ☒ Annual ☐ Unknown Date Last Inspection: <u>3/10/2015</u> mm/dd/yyyy Airframe Total Time: <u>210</u> hrs hours measured at (Select one) ☒ Last Inspection ☐ Time of Accident/Incident	Propeller 1 ☒ Fixed Pitch ☐ Controllable Pitch ☐ Ground Adjustable Manufacturer: <u>STERBA</u> Model: <u>64X63</u>	Propeller 2 ☐ Fixed Pitch ☐ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____
Type of Maintenance Program (Select one) ☒ Annual ☐ Conditional (Amateur-built only) ☐ Manufacturer's Inspection Program ☐ Other Approved Inspection Program (AAIP) ☐ Continuous Airworthiness ☐ Other, specify: _____	ELT Installed: ☒ Yes ☐ No If Yes: ELT Manufacturer: <u>EMERG. BEACON CORP.</u> Model or Part No.: <u>EBC-102A</u> TSO No.: ☒ C91 (121.5 MHz) ☐ C91a (121.5 MHz) ☐ C126 (406 MHz) Was ELT still mounted in aircraft? ☒ Yes ☐ No Was ELT still connected to antenna? ☒ Yes ☐ No Did ELT Activate? ☒ Yes ☐ No If activated: Did ELT Aid in Locating Aircraft: ☐ Yes ☒ No If not activated: Indicate Reason: ☐ Impact Damage ☐ Fire Damage ☐ Battery Expired/Damaged ☐ Unknown	
Description of Fire Extinguishing System ☒ None ☐ Specify: _____	Additional Equipment (Check all that apply) ☐ ADS-B ☐ Airframe Parachute ☐ Angle of Attack Indicator ☐ Autopilot ☐ Data Recorder ☒ Electronic Flight Bag or Handheld Device ☐ Electronic Multifunction Display <u>N/A/COM</u> ☐ Electronic Primary Flight Display ☒ Handheld GPS ☐ Heads Up Display ☐ Onboard Weather ☐ Satellite Tracking Device ☐ Stall Warning System ☐ Video Recording Device ☐ Other, Specify: _____	

OWNER/OPERATOR INFORMATION

Registered Aircraft Owner

Name: (CO-OWNERS) GLENN E. WIDENER, CAROL A. WIDENER

Fractional Ownership Aircraft: ☐ Yes ☐ No

City: ALAMOGORDO, NM

State: NM ZIP: 88310

Country: USA

Operator of Aircraft

☒ Same As Registered Owner

☒ Same Address as Registered Owner

Name: _____

Doing Business As: _____

Air Carrier/Operator Designator (4 Character Code): _____

City: _____

State: _____ ZIP: _____

Country: _____

Operating Certificates Held

(Check all that apply)

- ☒ None
- ☐ Flag Carrier Operating Certificate (FAR 121)
- ☐ Supplemental
- ☐ Air Cargo
- ☐ Foreign Air Carriers (FAR 129)
- ☐ Rotorcraft External Load (FAR 133)
- ☐ Commuter Air Carrier (FAR 135)
- ☐ On-Demand Air Taxi (FAR 135)
- ☐ Commercial Air Tour (FAR 136)
- ☐ Agricultural Aircraft (FAR 137)
- ☐ Pilot School (FAR 141)
- ☐ Certificate of Authorization or Waiver (COA)
- ☐ Commercial Space Transportation Experimental Permit
- ☐ Commercial Space Transportation License
- ☐ Other Operator of Large Aircraft

Regulation Flight Conducted Under

- ☒ FAR 91 ☐ FAR 129 ☐ FAR 415
- ☐ FAR 103 ☐ FAR 133 ☐ FAR 431
- ☐ FAR 121 ☐ FAR 135 ☐ FAR 435
- ☐ FAR 125 ☐ FAR 137 ☐ FAR 437
- ☐ FAR 91 Special Flight
- ☐ Non-US, Commercial
- ☐ Non-US, Non-commercial

Public Aircraft (Select one)

- ☐ Armed Forces
- ☐ Federal
- ☐ State
- ☐ Local

☐ Unknown

Revenue Operation for FAR 121, 125, 129, 135

(Select one for each group)

- ☐ Scheduled or Commuter ☐ Domestic
- ☐ Non-Scheduled or Air Taxi ☐ International
- ☐ Passenger
- ☐ Cargo
- ☐ Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137

(Select one)

- ☐ Aerial Application ☐ Firefighting ☐ Unknown
- ☐ Aerial Observation ☐ Flight Test
- ☐ Air Drop ☐ Glider Tow
- ☐ Air Race/Show ☐ Instructional
- ☐ Banner Tow ☐ Other Work Use
- ☐ Business ☒ Personal
- ☐ Executive/Corporate ☐ Positioning
- ☐ External Load ☐ Skydiving
- ☐ Ferry

Revenue Sightseeing Flight

☐ Yes ☒ No

Air Medical Flight

☐ Yes ☒ No

AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)

Airport Name: PORTALES MUNICIPAL

Airport Identifier: KPRZ

Proximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/A

Distance From Airport Center: 1/4 - 1/2 sm

Direction From Airport: SOUTH (~200) degrees true

Airport Elevation: 4078 ft. msl

Runway Information

Runway ID: 19 Length: 5700 ft Width: 60 ft

Runway/Landing Surface (Check all that apply)

- ☒ Asphalt ☐ Grass/Turf ☐ Macadam ☐ Water
- ☐ Concrete ☐ Gravel ☐ Metal/Wood ☐ Unknown
- ☐ Dirt ☐ Ice ☐ Snow

Condition of Runway/Landing Surface (Check all that apply)

- ☒ Dry ☐ Snow-Compacted ☐ Water-Calm
- ☐ Holes ☐ Snow-Crusted ☐ Water-Choppy
- ☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy
- ☐ Rough ☐ Snow-Wet ☐ Wet
- ☐ Rubber Deposits ☐ Soft
- ☐ Slush-Covered ☐ Vegetation ☐ Unknown

Approach/Departure Segment (Select one)

- ☐ Taxi ☐ VFR Departure ☐ On Instrument Approach ☐ Downwind ☐ Low Approach
- ☒ Initial Climb ☐ IFR Departure Procedure/Clearance ☐ Landing ☐ Base ☐ Go Around
- ☐ Final ☐ Aborted Landing (after touchdown)
- ☐ Crosswind ☐ Unknown

IFR Approach (Check all that apply)

- ☐ None
- ☐ ADF/NDB ☐ PAR ☐ MLS ☐ Practice
- ☐ SDF ☐ Sidestep ☐ LDA ☐ GPS
- ☐ VOR/TVOR ☐ ILS ☐ ASR
- ☐ VOR/DME ☐ Localizer Only ☐ Visual
- ☐ TACAN ☐ LOC-back course ☐ Contact
- ☐ RNAV ☐ Circling ☐ Unknown

VFR Approach (Check all that apply)

- ☐ None
- ☐ Traffic Pattern ☐ Stop and Go
- ☐ Straight-In ☐ Touch and Go
- ☐ Valley/Terrain Following ☐ Simulated Forced Landing
- ☐ Go Around ☐ Forced Landing
- ☐ Full Stop ☐ Precautionary Landing
- ☐ Unknown

"FLIGHT CREWMEMBER 1" INFORMATION

"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident

☒ Pilot
 ☐ Co-Pilot
 ☐ Student Pilot
 ☒ Flight Instructor
 ☐ Check Pilot
 ☐ Flight Engineer
 ☐ Other Flight Crew

"Flight Crewmember 1" was pilot flying ☒ Yes ☐ No

"Flight Crewmember 1" Identification

First Name: GLENN City of Residence: ALAMOGORDO
 Middle Initial: E. State: NM ZIP: 88310
 Last Name: WIDENER Country: USA
 Age at time of Accident/Incident: 70 Date of Birth: 1944 mm/dd/yyyy
 Certificate Number: [REDACTED]

Degree of Injury ☐ None ☐ Fatal ☒ Minor ☐ Unknown ☐ Serious	Seat Occupied ☐ Left ☐ Front ☐ Unknown ☒ Right ☐ Rear ☐ Center ☐ Single	Restraint Type <table> <tr> <th>Available</th> <th>Used</th> </tr> <tr> <td>☐ None</td> <td>☐ None</td> </tr> <tr> <td>☐ Lap only</td> <td>☐ Lap only</td> </tr> <tr> <td>☒ 3-point</td> <td>☐ 3-point</td> </tr> <tr> <td>☐ 4-point</td> <td>☐ 4-point</td> </tr> <tr> <td>☐ 5-point</td> <td>☐ 5-point</td> </tr> <tr> <td>☐ Unknown</td> <td>☐ Unknown</td> </tr> </table>	Available	Used	☐ None	☐ None	☐ Lap only	☐ Lap only	☒ 3-point	☐ 3-point	☐ 4-point	☐ 4-point	☐ 5-point	☐ 5-point	☐ Unknown	☐ Unknown	Inflatable Restraints ☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown
Available	Used																
☐ None	☐ None																
☐ Lap only	☐ Lap only																
☒ 3-point	☐ 3-point																
☐ 4-point	☐ 4-point																
☐ 5-point	☐ 5-point																
☐ Unknown	☐ Unknown																
Pilot Certificate(s) (Check all that apply) <table> <tr> <td>☐ None</td> <td>☒ Flight Instructor</td> <td>☒ Commercial</td> <td>☐ US Military</td> </tr> <tr> <td>☐ Private</td> <td>☐ Recreational</td> <td>☐ Airline Transport</td> <td>☐ Foreign</td> </tr> <tr> <td>☐ Student</td> <td>☐ Sport</td> <td>☐ Flight Engineer</td> <td></td> </tr> </table>				☐ None	☒ Flight Instructor	☒ Commercial	☐ US Military	☐ Private	☐ Recreational	☐ Airline Transport	☐ Foreign	☐ Student	☐ Sport	☐ Flight Engineer			
☐ None	☒ Flight Instructor	☒ Commercial	☐ US Military														
☐ Private	☐ Recreational	☐ Airline Transport	☐ Foreign														
☐ Student	☐ Sport	☐ Flight Engineer															
Principal Occupation ☐ Pilot ☒ Other <u>semi-retired</u> ☐ Unknown	Medical Certificate ☐ None ☐ Class 3 ☐ Class 1 ☐ Driver's License (Sport Pilot only) ☒ Class 2 ☐ Unknown	Medical Certificate Validity ☐ Without limitations/waivers ☐ Unknown ☒ With limitations/waivers ☐ N/A ☐ Special Issuance	Date of Last Medical <u>9/24/2014</u> mm/dd/yyyy														

Medical Certificate Limitations

corrective lenses; hearing amplification

Medical Certificate Special Issuance

N/A

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

11/1/2014
 mm/dd/yyyy

Flight Review Aircraft

Make: CESSNA
 Model: 152

Airplane Rating(s) (Check all that apply) ☐ None ☒ Single-Engine Land ☒ Single-Engine Sea ☒ Multiengine Land ☐ Multiengine Sea	Other Aircraft Rating(s) (Check all that apply) ☒ None ☐ Airship ☐ Balloon ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift	Instrument Rating(s) (Check all that apply) ☐ None ☒ Airplane ☐ Helicopter ☐ Powered Lift	Instructor Rating(s) (Check all that apply) ☐ None ☒ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport
Type Ratings <u>N/A</u>			Student Endorsements (Include dates) <u>N/A</u>

Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	6280	135	5682	600+	476	180	~125			
Pilot in Command (PIC)	5480	133	5420	60						
Time as Instructor	2930	20	2930							
This Make/Model										
Last 90 Days		10	30							
Last 30 Days		3	14							
Last 24 Hours		1	3							

"FLIGHT CREWMEMBER 2" INFORMATION																																																																																																				
"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident N/A ☐ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew																																																																																																				
"Flight Crewmember 2" was pilot flying ☐ Yes ☐ No																																																																																																				
"Flight Crewmember 2" Identification First Name: _____ Middle Initial: _____ Last Name: _____ City of Residence: _____ State: _____ ZIP: _____ Country: _____ Age at time of Accident/Incident: _____ Date of Birth: _____ <i>mm/dd/yyyy</i> Certificate Number: _____																																																																																																				
Degree of Injury ☐ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious		Seat Occupied ☐ Left ☐ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single		Restraint Type Available ☐ None ☐ Lap only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown			Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown																																																																																													
Pilot Certificate(s) <i>(Check all that apply)</i> ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer					Medical Certificate Validity ☐ Without limitations/waivers ☐ Unknown ☐ With limitations/waivers ☐ N/A ☐ Special Issuance			Date of Last Medical _____ <i>mm/dd/yyyy</i>																																																																																												
Principal Occupation ☐ Pilot ☐ Other ☐ Unknown		Medical Certificate ☐ None ☐ Class 3 ☐ Class 1 ☐ Driver's License (Sport Pilot only) ☐ Class 2 ☐ Unknown			Medical Certificate Limitations 																																																																																															
Medical Certificate Special Issuance 																																																																																																				
Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: _____ <i>mm/dd/yyyy</i>				Flight Review Aircraft Make: _____ Model: _____																																																																																																
Airplane Rating(s) <i>(Check all that apply)</i> ☐ None ☐ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea		Other Aircraft Rating(s) <i>(Check all that apply)</i> ☐ None ☐ Airship ☐ Balloon ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift		Instrument Rating(s) <i>(Check all that apply)</i> ☐ None ☐ Airplane ☐ Helicopter ☐ Powered Lift		Instructor Rating(s) <i>(Check all that apply)</i> ☐ None ☐ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport																																																																																														
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<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2" style="text-align: left; padding: 5px;">Flight Time <i>(Enter appropriate number of hours in each box)</i></th> <th rowspan="2" style="padding: 5px;">All Aircraft</th> <th rowspan="2" style="padding: 5px;">This Make & Model</th> <th rowspan="2" style="padding: 5px;">Airplane Single Engine</th> <th rowspan="2" style="padding: 5px;">Airplane Multiengine</th> <th rowspan="2" style="padding: 5px;">Night</th> <th colspan="2" style="padding: 5px;">Instrument</th> <th rowspan="2" style="padding: 5px;">Rotorcraft</th> <th rowspan="2" style="padding: 5px;">Glider</th> <th rowspan="2" style="padding: 5px;">Lighter Than Air</th> </tr> <tr> <th style="padding: 5px;">Actual</th> <th style="padding: 5px;">Simulated</th> </tr> </thead> <tbody> <tr><td style="text-align: left; padding: 5px;">Total Time</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: left; padding: 5px;">Pilot in Command (PIC)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: left; padding: 5px;">Time as Instructor</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: left; padding: 5px;">This Make/Model</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: left; padding: 5px;">Last 90 Days</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: left; padding: 5px;">Last 30 Days</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: left; padding: 5px;">Last 24 Hours</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>											Flight Time <i>(Enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time											Pilot in Command (PIC)											Time as Instructor											This Make/Model											Last 90 Days											Last 30 Days											Last 24 Hours										
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ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)									
Crew Name and Address N/A					Seat Occupied		Injury		
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____					☐ Left ☐ Front ☐ Center ☐ Rear ☐ Right ☐ Single ☐ Unknown ☐ Unknown		☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown		
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Private ☐ Student ☐ Flight Instructor ☐ Recreational ☐ Sport ☐ Commercial ☐ Airline Transport ☐ Flight Engineer ☐ US Military ☐ Foreign					Restraint Type: Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown		
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No					Total Flight Time at the Time of this Accident/Incident: _____ hrs				
Crew Name and Address					Seat Occupied		Injury		
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____					☐ Left ☐ Front ☐ Center ☐ Rear ☐ Right ☐ Single ☐ Unknown ☐ Unknown		☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown		
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Private ☐ Student ☐ Flight Instructor ☐ Recreational ☐ Sport ☐ Commercial ☐ Airline Transport ☐ Flight Engineer ☐ US Military ☐ Foreign					Restraint Type: Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown		
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No					Total Flight Time at the Time of this Accident/Incident: _____ hrs				
PASSENGER(S) / OTHER PERSONNEL (Include cabin crew; continue on separate sheet if necessary)									
Name and Address			Seat	Injury	Restraint Type		Inflatable Restraints	Age 39	
First Name: <u>JOEL</u> City: <u>CLOVIS</u> Middle Initial: _____ State: <u>NM</u> ZIP: <u>88101</u> Last Name: <u>GARCIA</u> Country: _____ ☐ Crew ☒ Passenger ☐ Other			☒ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☒ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☒ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown	
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other			☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown	
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other			☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown	
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other			☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown	

Last Departure Point Airport ID: <u>KPRZ</u> City: <u>PORTALES</u> State: <u>NM</u> Country: <u>USA</u>	Time of Departure Time: <u>1110</u> Time Zone: <u>MTN</u>	Destination Airport ID: <u>KCVN</u> City: <u>CLOVIS</u> State: <u>NM</u> Country: <u>USA</u>	Type Flight Plan Filed ☒ None ☐ VFR/IFR ☐ Company VFR ☐ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☐ Yes ☐ No ☐ Unknown
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☒ None
 ☐ Special VFR
 ☐ Special IFR
 ☐ VFR Flight Following
 ☐ Cruise

☐ VFR
 ☐ IFR
 ☐ VFR On Top
 ☐ Traffic Advisory
 ☐ Unknown / NA

☐ Class A	☐ Class G	☐ Military Operations Area (MOA)	☐ Special
☐ Class B	☐ Demo Area	☐ Airport Advisory Area	☐ Air Traffic Control Area
☐ Class C	☐ Warning Area	☐ Jet Training Area	☐ Unknown
☐ Class D	☐ Prohibited Area	☐ TRSA	
☒ Class E	☐ Restricted Area	☐ FAR 93	

4090 ft msl

Source of Pilot Weather Information (Check all that apply) <table style="width: 100%;"> <tr> <td>☐ National Weather Service</td> <td>☐ Company</td> </tr> <tr> <td>☐ Flight Service Station</td> <td>☐ Military</td> </tr> <tr> <td>☒ TV/Radio</td> <td>☒ Internet</td> </tr> <tr> <td>☒ Automated Report</td> <td>☐ None</td> </tr> <tr> <td>☒ Commercial Weather Service (DUATS)</td> <td>☐ Unknown</td> </tr> <tr> <td colspan="2">☒ On-Board Weather <i>Hand-held/tablet devices</i></td> </tr> </table>	☐ National Weather Service	☐ Company	☐ Flight Service Station	☐ Military	☒ TV/Radio	☒ Internet	☒ Automated Report	☐ None	☒ Commercial Weather Service (DUATS)	☐ Unknown	☒ On-Board Weather <i>Hand-held/tablet devices</i>		Weather Observation Facility Facility ID: <u>KPRZ AWOS</u> Observation Time: <u>Mtn 1:10</u> Time Zone: <u>Mtn</u> Distance from Accident Site: <u>1/4</u> nm Direction from Accident Site: <u>~030</u> degrees true
☐ National Weather Service	☐ Company												
☐ Flight Service Station	☐ Military												
☒ TV/Radio	☒ Internet												
☒ Automated Report	☐ None												
☒ Commercial Weather Service (DUATS)	☐ Unknown												
☒ On-Board Weather <i>Hand-held/tablet devices</i>													

☒ VMC
☐ IMC
☐ Unknown

☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown
☒ Day ☐ Night ☐ Bright Night

☐ Clear ☐ Thin Broken
☒ Few ☐ Thin Overcast
☐ Partial Obscuration ☐ Unknown
☐ Scattered

☒ None (Clear)
 ☐ Obscured
☐ Broken
 ☐ Indefinite
☐ Overcast
 ☐ Unknown

Dew Point: unk (C) or _____ (F)

Altimeter Setting: 30.05 in. Hg
or MB

ft agl

□ Variable

☐ Calm
☒ Light and Variable

☐ Not Gusting

RVR: feet

RVV: miles

Density Altitude: 6900 - 7000 ft

☐ Light
☐ Moderate
☐ Heavy
☐ N/A
☐ Unknown

☒ None
 ☐ Drizzle
 ☐ Freezing Rain

☐ Rain
 ☐ Ice Pellets
 ☐ Snow Shower

☐ Snow
 ☐ Snow Pellets
 ☐ Ice Pellets Shower

☐ Hail
 ☐ Snow Grains
 ☐ Freezing Drizzle

☐ Rain Showers
 ☐ Ice Crystals

☒ None	☐ Fog
☐ Blowing Dust	☐ Ground Fog
☐ Blowing Sand	☐ Haze
☐ Blowing Snow	☐ Ice Fog
☐ Blowing Spray	☐ Smoke
☐ Dust	☐ Unknown

Amount	Type
☒ None	☐ N/A
☐ Trace	☐ Rime
☐ Light	☐ Clear
☐ Moderate	☐ Mixed
☐ Severe	☐ Unknown
☐ Unknown	

Amount	Type
☒ None	☐ N/A
☐ Trace	☐ Rime
☐ Light	☐ Clear
☐ Moderate	☐ Mixed
☐ Severe	☐ Unknown
☐ Unknown	

Type (Check all that apply)	Severity
☐ None	☒ Light +0
☒ Clear Air	☒ Moderate
☒ Terrain-Induced	☐ Severe
☐ Convective Turbulence	☐ Extreme

DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage

- ☐ None
☐ Minor
☒ Substantial
☐ Destroyed
☐ Unknown

Aircraft Fire

- ☒ None
☐ In-Flight
☐ On-Ground
☐ Both Ground and In-Flight
☐ Fire at Unknown Time
☐ Unknown

Aircraft Explosion

- ☒ None
☐ In-Flight
☐ On-Ground
☐ Both Ground and In-Flight
☐ Explosion at Unknown Time
☐ Unknown

Description of Damage to Aircraft and Other Property (Use additional sheet if necessary)

AIRCRAFT ENGAGED FLAT, VEGETATED TERRAIN IN WINGS LEVEL, SLOW FLYING ATTITUDE, IN FORWARD, VERY SLIGHTLY TURNING MOTION, THE AIRPLANE HIT FLAT SKIDDING ABOUT 220 FT., SLID & SLAPPED LEFT WING INTO GROUND. LANDING GEAR (MAINS) KNOCKED OFF, L. WING 1/3RD DESTROYED, R. WING-TIP DINGED, WOODEN PROP SPLINTERED, SOME FUSELAGE TWIST, ENG. MOUNT BROKEN.

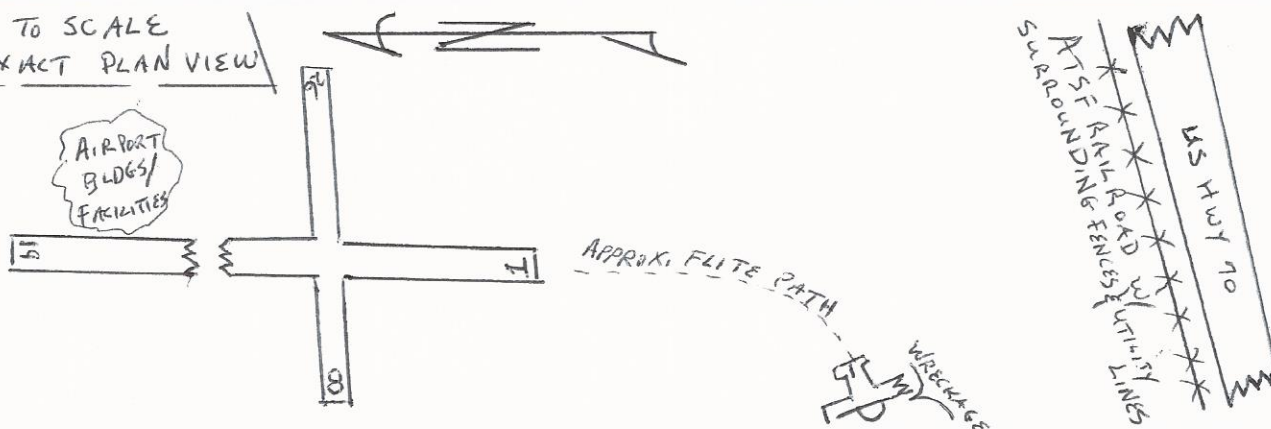
NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and location, services obtained, and intended destination. Provide as much detail as possible. APPROX. 1 hr. earlier departed KCVN, VFR, AT PRE-TAKE-OFF RUN-UP THERE WAS SOME SLIGHT MISSING INDICATION TO LEFT MAG BY SOUND AND RPM DROP NEARING 200 RPM (usual 125-150 rpm drop). CUSTOMARY PROCEDURE TO BURN ANY CARBON DEPOSIT TO SPARK PLUG POINTS WAS EXERCISED BY RUNNING A HIGHER RPM FOR 20-30 SECONDS. RECHECK BROUGHT MAG-DROP INTO ACCEPTABLE PARAMETERS. A NORMAL TAKE-OFF AND SHORT FLIGHT TO KPRZ WAS THEN CONDUCTED.

AFTER ~45-60 MIN ON PRZ AIRFIELD 5 GAL. AVGAS WAS ADDED FROM SELF-SERVICE PUMP & ANOTHER PRE-FLIGHT WALK-AROUND WAS DONE. TAXI TO RWY & PRE-TAKEOFF RUNUP DISCLOSED NO OPERATIONAL ADVERSITY.

TAKE OFF ROLL SEEMED NORMAL WITH A BIT LONGER REQUIREMENT AS EXPECTED FOR HIGH TEMPERATURE CONDITIONS, AFTER LIFT OFF CLIMB PERFORMANCE WAS LOW, AGAIN THOUGHT TO BE DUE TO ^{AMBIENT} HEAT. PILOT THEN NOTED AN OBSERVABLE WINDSHIFT AT NEARBY WINDSOCK ADJACENT TO RIGHT OF RUNWAY FOLLOWED BY AN IMMEDIATE CESSATION OF WIND GUST. PASSENGER LATER STATED HE THOUGHT ENGINE SEEMED BELOW PEAK PERFORMANCE. PILOT WAS, BY THEN, QUITE INVOLVED TRYING TO BALANCE BETWEEN TOO-SLOW FLIGHT SPEED & ROLLING POSSIBILITIES TO ENCOURAGING ADEQUATE AIRSPEED FOR CLIMB PERFORMANCE. THIS INCLUDED VERY GRADUAL RIGHT TURNING EFFORT AIMED AT MINIMIZING POWERLINE & BUSY HIGHWAY OBSTACLES DIRECTLY AHEAD AS WELL AS AN ATTEMPT TO HEAD INTO THE DIRECTION FROM WHICH CAME THE WIND GUST. ALAS, ALL LESSOR FACTORS COMBINED CAUSING THE AIRPLANE TO SETTLE INTO A MUSHING DESCENT INTO THE TERRAIN.

NOT TO SCALE
OR EXACT PLAN VIEW



RECOMMENDATION (How could this accident/incident have been prevented?)

Operator/Owner Safety Recommendation

A CONTINUANCE OF AVIATION FLIGHT SAFETY AWARENESS AND RISK ASSESSMENT/ MANAGEMENT ^{TRAINING} AIMED AT PREVENTING AND MINIMIZING CUMULATIVE FACTORS FROM BUILDING UP BEYOND THE THRESHOLD INTO AN ACCIDENT/INCIDENT SUCH AS THIS. PARTICULAR IMPORTANCE SHOULD BE DIRECTED TOWARD AIRMAN SURVIVABILITY REGARDLESS OF HOW LIMITED THE OPTIONS SEEM TO BECOME. IT IS IMPERATIVE TO "FLY THE WING" AS MUCH AS POSSIBLE. IN OTHER WORDS, IT IS FAR BETTER TO ENGAGE THE GROUND IN SOMEWHAT OF A CONTROLLED CONDITION RATHER THAN TO ACT WITH REACTIONARY MISMANAGEMENT OF CONTROL INPUTS TO THE POINT OF "STALLING AND FALLING"... EVEN AT VERY LOW ALTITUDES.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)

Was there Mechanical Malfunction/Failure? ☐ Yes ☐ No NOT IMMEDIATELY DISCERNABLE,
(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

IN ADDITION TO OBVIOUS DENSITY ALTITUDE FACTORS THERE COULD HAVE BEEN SOME RECURRENT CARBON FOULING MATTERS AND EVEN A POSSIBILITY OF DIMINISHED PERFORMANCE ATTRIBUTABLE TO MIX OF AUTO GAS & AVIATION FUEL, ESP. IN VIEW OF SUCH HIGH AMBIENT TEMPERATURE & ASSOCIATED SPARSE AIR.

Total Time/Cycles
On PartUNK, ~ 200 Hours" " CyclesTime Since This Part
Inspected/Overhauled15 Hours**FUEL & SERVICES INFORMATION**

Fuel on Board at Last Takeoff

(Convert from pounds, as necessary)

10 Gallons

Fuel Type

☐ 80/87☐ 115/145☐ Jet B☒ Other, specify☒ 100 Low Lead☐ Jet A☐ JP8SOME RESIDUAL☐ 100/130☐ Jet A-1☐ AutomotiveMOGAS MIX REMAINING BEFORE

Other Services, if Any, Prior to Departure

ADDED 5 GAL. 100LL AVGAS PRIOR TO DEPARTURE**EVACUATION OF AIRCRAFT**Was an emergency evacuation of the aircraft performed? ☒ Yes ☐ No

Method of Exit - Describe how the occupants exited and how many occupants evacuated each location. PILOT & PASSENGER
EGRESSED AIRCRAFT ON RESPECTIVE LEFT & RIGHT SIDES THROUGH
REGULAR CABIN DOORS

OTHER AIRCRAFT - COLLISION (If air or ground collision occurred, complete this section for other aircraft)

Aircraft Registration Number

N/A

Manufacturer: _____

Model: _____

Damage to Other Aircraft

☐ Destroyed☐ Minor☐ Substantial☐ None

Registered Owner of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

Pilot of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

ADDITIONAL INFORMATION (Please type or print in ink)

Use this space if additional space is needed for any answers.

Aircraft Information/engine ORIGINAL MANUFACTURER'S RATING STATES
85 HORSEPOWER. SEVERAL SOURCES CLAIM THAT WITH STD INSTALLATION OF
C-200 CRANKSHAFT, RODS, CYLINDERS & PISTONS, SUCH AS THIS ENGINE RECEIVED,
HORSEPOWER RATING IS INCREASED TO 90-95 HP.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report

COMPLETED

8/4/2015

mm/dd/yyyy

Name of Pilot/Operator: GLENN E. WIDENERSignature: 

-- or --

☐ Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name: _____

Title: _____

Signature: _____

-- or --

☐ Check here to electronically sign this document**FOR NTSB USE ONLY**NTSB Accident/Incident No.
GAA15CA199Reviewed by NTSB Regional Office
GAAName of Investigator
JACKIE VANOVERDate Report Received
08/07/2015