

**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: Lake Havasu State: AZ
 ZIP: 86404 Country: USA
 Latitude: _____ Longitude: _____
(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/Time

Date: 12/01/2021 Local Time: 12:30pm
mm/dd/yyyy
 Time Zone: MST

Collision with Other Aircraft: Midair On-ground None

AIRCRAFT INFORMATION

Registration Number: N81CB
 Manufacturer: Cessna
 Model: Citation Mustang
 Serial Number: 510-0439
 Year of Manufacture: 2013
 Amateur-Built: Yes No If Yes: Kit/Plans Original Design Make: _____

IFR-Equipped and Certified
 Commercial Space Flight
 Unmanned Aircraft

Maximum Gross Weight: 8730 lbs
 Weight at Time of Accident/Incident: 6300 lbs
 Number of Seats: 6 Flight Crew Seats: 2
 Cabin Crew Seats: _____ Passenger Seats: 4/5
 Number of Engines: 2

Category of Aircraft

- Airplane
- Balloon
- Blimp/Dirigible
- Glider
- Gyroplane
- Helicopter
- Powered Lift
- Rocket
- Ultralight
- Unknown

Type of Airworthiness Certificate

(Check all that apply)

- | Standard | Special |
|---|---|
| <input checked="" type="checkbox"/> Normal | <input type="checkbox"/> Restricted |
| <input type="checkbox"/> Aerobatic | <input type="checkbox"/> Limited |
| <input type="checkbox"/> Balloon | <input type="checkbox"/> Provisional |
| <input type="checkbox"/> Commuter | <input type="checkbox"/> Special Flight |
| <input type="checkbox"/> Transport | <input type="checkbox"/> Experimental |
| <input type="checkbox"/> Utility | <input type="checkbox"/> Special Light-Sport |
| | <input type="checkbox"/> Experimental Light-Sport |
| <input type="checkbox"/> Certificate of Authorization or Waiver (COA) | |
| <input type="checkbox"/> None <input type="checkbox"/> Unknown | |

Landing Gear

(Check all that apply)

- Retractable
- | | |
|--|------------------------------------|
| <input type="checkbox"/> Tricycle | <input type="checkbox"/> Tailwheel |
| <input type="checkbox"/> Amphibian | <input type="checkbox"/> High Skid |
| <input type="checkbox"/> Emergency Float | <input type="checkbox"/> Skid |
| <input type="checkbox"/> Float | <input type="checkbox"/> Ski |
| <input type="checkbox"/> Hull | <input type="checkbox"/> Ski/Wheel |
| <input type="checkbox"/> Other Launch/Recovery System | |
| <input type="checkbox"/> None <input type="checkbox"/> Unknown | |

Engine Type (Select one)

- | | |
|--|-------------------------------------|
| <input type="radio"/> Reciprocating | <input type="radio"/> Liquid Rocket |
| <input type="radio"/> Turbo Shaft | <input type="radio"/> Solid Rocket |
| <input type="radio"/> Turbo Prop | <input type="radio"/> Hybrid Rocket |
| <input type="radio"/> Turbo Jet | <input type="radio"/> None |
| <input checked="" type="radio"/> Turbo Fan | <input type="radio"/> Unknown |
| <input type="radio"/> Electric | |

Fuel System Type (Reciprocating)

- Carburetor Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Rated Power <input type="radio"/> Horsepower or <input checked="" type="radio"/> lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	Pratt & Whitney	PW615F	LB0899	02/21/2013	1460	872.4	0	0
Eng. 2	Pratt & Whitney	PW615F	LB0898	02/19/2013	1460	872.4	0	0
Eng. 3								
Eng. 4								

Last Inspection Type

- 100-Hour Continuous Airworthiness
 AAIP Conditional Inspection
 Annual Unknown

Date Last Inspection: 08/26/2021
mm/dd/yyyy

Airframe Total Time: 835.1 hrs
 hours measured at *(Select one)*
 Last Inspection Time of Accident/Incident

Type of Maintenance Program (Select one)

- Annual
- Conditional (Amateur-built only)
- Manufacturer's Inspection Program
- Other Approved Inspection Program (AAIP)
- Continuous Airworthiness
- Other, specify: _____

Description of Fire Extinguishing System

- None
 Specify: Halon Fire Bottle for engine fire

Propeller 1

- Fixed Pitch
 Controllable Pitch
 Ground Adjustable

Manufacturer: _____
 Model: _____

Propeller 2

- Fixed Pitch
 Controllable Pitch
 Ground Adjustable

Manufacturer: _____
 Model: _____

ELT Installed: Yes No

If Yes:
 ELT Manufacturer: ARTEX
 Model or Part No.: C-406N
 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

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
- Electronic Primary Flight Display
- Handheld GPS
- Heads Up Display
- Onboard Weather
- Satellite Tracking Device
- Stall Warning System
- Video Recording Device
- Other, Specify: _____

FLIGHT ITINERARY INFORMATION			
Last Departure Point Airport ID: <u>KTME</u> City: <u>Brookshire</u> State: <u>TX</u> Country: <u>USA</u>	Time of Departure Time: <u>10:15am</u> Time Zone: <u>CST</u>	Destination Airport ID: <u>KHII</u> City: <u>Lake Havasu</u> State: <u>AZ</u> Country: <u>USA</u>	Type Flight Plan Filed <input type="radio"/> None <input type="radio"/> VFR/IFR <input checked="" type="radio"/> Company VFR <input type="radio"/> IFR <input type="radio"/> Military VFR <input type="radio"/> Unknown <input type="radio"/> VFR Activated? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Type of ATC Clearance/Service (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Special VFR <input type="checkbox"/> Special IFR <input type="checkbox"/> VFR Flight Following <input type="checkbox"/> Cruise <input type="checkbox"/> VFR <input checked="" type="checkbox"/> IFR <input type="checkbox"/> VFR On Top <input type="checkbox"/> Traffic Advisory <input type="checkbox"/> Unknown / NA			
Airspace where the accident/incident occurred (Check all that apply) <input type="checkbox"/> Class A <input type="checkbox"/> Class G <input type="checkbox"/> Military Operations Area (MOA) <input type="checkbox"/> Special <input type="checkbox"/> Class B <input type="checkbox"/> Demo Area <input type="checkbox"/> Airport Advisory Area <input type="checkbox"/> Air Traffic Control Area <input type="checkbox"/> Class C <input type="checkbox"/> Warning Area <input type="checkbox"/> Jet Training Area <input type="checkbox"/> Unknown <input type="checkbox"/> Class D <input type="checkbox"/> Prohibited Area <input type="checkbox"/> TRSA <input checked="" type="checkbox"/> Class E <input type="checkbox"/> Restricted Area <input type="checkbox"/> FAR 93			Altitude of In-Flight Occurrence: _____ ft msl
WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE			
Source of Pilot Weather Information (Check all that apply) <input type="checkbox"/> National Weather Service <input type="checkbox"/> Company <input type="checkbox"/> Flight Service Station <input type="checkbox"/> Military <input type="checkbox"/> TV/Radio <input type="checkbox"/> Internet <input checked="" type="checkbox"/> Automated Report <input type="checkbox"/> None <input type="checkbox"/> Commercial Weather Service (DUATS) <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> On-Board Weather		Weather Observation Facility Facility ID: _____ Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true	
Basic Conditions <input checked="" type="radio"/> VMC <input type="radio"/> IMC <input type="radio"/> Unknown	Light Condition <input type="radio"/> Dawn <input type="radio"/> Dusk <input type="radio"/> Dark Night <input type="radio"/> Unknown <input checked="" type="radio"/> Day <input type="radio"/> Night <input type="radio"/> Bright Night		
Sky/Lowest Cloud Condition <input checked="" type="radio"/> Clear <input type="radio"/> Thin Broken <input type="radio"/> Few <input type="radio"/> Thin Overcast <input type="radio"/> Partial Obscuration <input type="radio"/> Unknown <input type="radio"/> Scattered Lowest Cloud Condition Height _____ ft agl	Ceiling <input checked="" type="radio"/> None (Clear) <input type="radio"/> Obscured <input type="radio"/> Broken <input type="radio"/> Indefinite <input type="radio"/> Overcast <input type="radio"/> Unknown Ceiling Height _____ ft agl	Temperature: <u>22</u> (C) or _____ (F) Dew Point: _____ (C) or _____ (F) Altimeter Setting: <u>30.20</u> in. Hg or _____ MB	
Wind Direction <input checked="" type="checkbox"/> Variable -or- Direction: _____ degrees true	Wind Speed <input type="checkbox"/> Calm <input type="checkbox"/> Light and Variable -or- Speed: _____ kts	Wind Gusts <input type="checkbox"/> Not Gusting -or- Speed: _____ kts	Visibility <u>unlimited</u> miles RVR: _____ feet RVV: _____ miles Density Altitude: _____ ft
Intensity of Precipitation <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Heavy <input checked="" type="radio"/> N/A <input type="radio"/> Unknown	Type of Precipitation (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Drizzle <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Shower <input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Freezing Drizzle <input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals		Restriction to Visibility (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Fog <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke <input type="checkbox"/> Dust <input type="checkbox"/> Unknown
Icing Forecast Amount Type <input checked="" type="radio"/> None <input type="radio"/> N/A <input type="radio"/> Trace <input type="radio"/> Rime <input type="radio"/> Light <input type="radio"/> Clear <input type="radio"/> Moderate <input type="radio"/> Mixed <input type="radio"/> Severe <input type="radio"/> Unknown <input type="radio"/> Unknown	Icing Actual Amount Type <input checked="" type="radio"/> None <input type="radio"/> N/A <input type="radio"/> Trace <input type="radio"/> Rime <input type="radio"/> Light <input type="radio"/> Clear <input type="radio"/> Moderate <input type="radio"/> Mixed <input type="radio"/> Severe <input type="radio"/> Unknown <input type="radio"/> Unknown		Turbulence Type (Check all that apply) Severity <input checked="" type="checkbox"/> None <input type="checkbox"/> Light <input type="checkbox"/> Clear Air <input type="checkbox"/> Moderate <input type="checkbox"/> Terrain-Induced <input type="checkbox"/> Severe <input type="checkbox"/> Convective Turbulence <input type="checkbox"/> Extreme
NOTAMS (D and FDC), AIRMETS, SIGMETs, PIREPs in effect at the time of the accident/incident: <u>Taxiway A between Taxiway A3 and A5 closed</u>			

DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage		Aircraft Fire		Aircraft Explosion	
<input type="radio"/> None	<input checked="" type="radio"/> Substantial	<input type="radio"/> None	<input type="radio"/> Both Ground and In-Flight	<input type="radio"/> None	<input type="radio"/> Both Ground and In-Flight
<input type="radio"/> Minor	<input type="radio"/> Destroyed	<input type="radio"/> In-Flight	<input type="radio"/> Fire at Unknown Time	<input type="radio"/> In-Flight	<input type="radio"/> Explosion at Unknown Time
	<input type="radio"/> Unknown	<input checked="" type="radio"/> On-Ground	<input type="radio"/> Unknown	<input checked="" type="radio"/> On-Ground	<input type="radio"/> Unknown

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

Right wing fire and fuel tank explosion, damage to right main gear and bottom of fuselage.

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.

I departed KTME approximately 10:15am CST. Prior to arrival at TME fuel tanks were topped off at 385 gallons allowing for plenty of fuel to arrive at KHII in VMC. I crossed Needles VOR at 12,000' per ATC. Needles is close to KHII and I reported airport in sight. Weather was perfect with clear sky and light to no wind. ATC reported that they saw no traffic in the area so I canceled my flight plan. I was quite high above the airport so I began descent at a good rate. As I was descending I decided to load in the RNAV 32 approach. My plan was to fly the left downwind leg and extend it past the FAF of HODKI then turn left base to capture the approach -- basically flying vectors to final on the visual approach. I thought this would allow me to be at the correct altitude and speed to fly the final approach. However, as I passed abeam the threshold on the downwind leg with my speed in excess of what it should have been at that point, for some inexplicable reason I decided to disengage the autopilot and turn into final approach. (There was no reason for me to be in a hurry - no appointments, no meetings, I had plenty of fuel remaining, etc.) On short final I was focused on airspeed and and a safe landing point about 2000' from the threshold. Runway 32 is 8000' and due to taxiway construction the only taxiway open was at the end of the runway. Upon landing I initially thought the grinding noise was a blown tire - having never experienced one - so I focused on keeping the aircraft on the centerline as much as possible. When the aircraft came to a stop on the runway I sat for several seconds sort of shocked and trying to process what had just occurred. Then I heard someone on unicom saying the plane was on fire and to get out. At that point I cut off the engines, turned off the battery and exited the aircraft only to realize as I was walking away that I neglected to execute the before landing checklist and lower the gear.

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

Operator/Owner Safety Recommendation

Whether reviewing accidents as part of recurrent training or studying accidents on my own I have always had two thoughts when an aircraft runs out of fuel, or stalls, or lands gear up. What could the pilot possibly have been thinking and I'll never do that. Well, I did that and I have spent many, many hours attempting to understand what this pilot must have been thinking when the accident chain began with disengaging the autopilot to enter an unstable approach. I have read several books over time about the brain and how it functions which probably has some bearing on what I'm about to write. While descending from Needles VOR my, logical, rational, disciplined mind that has always been in control as a pilot made a plan to land on runway 32 at KHII. That is when I decided to enter the RNAV 32 approach and fly an extended left downwind to give myself plenty of time to lose altitude and speed prior to flying the final approach. After passing the point abeam the threshold by perhaps 3 miles (although I am not exactly sure of distance) and too fast, I disengaged the autopilot and began the turn toward the airport. In the previous section I said for some inexplicable reason. The only thing that makes sense to me right now is that a small portion of my brain that judges and reacts impulsively was somehow able to override my "pilot brain" and take over decision making and fly the airplane - even though it was certainly not equipped to do so. And it was also able to subdue my rational, disciplined pilot mind at the point of disengaging the autopilot through the remainder of the flight. I imagine my impulsive brain taking over and saying, "I got this." Otherwise, I cannot explain why I would enter an obviously unstable approach and not at any point think this is a really bad idea and go around. Or, even then while too fast, not to think to slow down by lowering the landing gear. And, finally, neglecting to perform the before landing checklist - my abbreviated version on short final as a double check - "GFY lights" (gear, flaps, yaw damper, lights). As I continue to try to think through the flight upon disengaging the autopilot it has been a blur and difficult to recall perhaps because of the shock and traumatizing impact on my "pilot brain." After flying for many years focused on flying stabilized approaches this is the only way I have been able to understand what happened.

(continued)

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

Was there Mechanical Malfunction/Failure? Yes No

(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

Total Time/Cycles
On Part

_____ Hours

_____ Cycles

Time Since This Part
Inspected/Overhauled

_____ Hours

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff
(Convert from pounds, as necessary)

385 _____ Gallons

Fuel Type

- 80/87 115/145 Jet B Other, specify _____
 100 Low Lead Jet A JP8
 100/130 Jet A-1 Automotive

Other Services, if Any, Prior to Departure

None

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 through the cabin entrance door

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

Aircraft Registration Number

Manufacturer: _____

Damage to Other Aircraft

Model: _____

- Destroyed Minor
 Substantial None

Registered Owner of Other Aircraft

Pilot of Other Aircraft

Name: _____

Name: _____

City: _____

City: _____

State: _____ ZIP: _____

State: _____ ZIP: _____

Country: _____

Country: _____

ADDITIONAL INFORMATION (Please type or print in ink)

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

Recommendation - continued

I have piloted many flights as the sole occupant usually on empty legs during over 150 Angel Flight missions. I have never deviated in my disciplined approach to flying, whether solo or not, until this flight -- which is what makes it so difficult to comprehend. I have two thoughts in terms of recommendations - both obvious. First, always fly stabilized approaches and if not stabilized ALWAYS fly the missed or go around. And second, to reinforce the first, always fly as if those closest to you are on board -- because they are, whether physically or not.

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

Date of this Report 12/10.2021 [REDACTED]	Name of Pilot/Operator: Byron R Baker Signature: [REDACTED] -- or -- <input checked="" type="checkbox"/> 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. WPR22LA058	Reviewed by NTSB Regional Office WPR	Name of Investigator James M. Bledsoe	Date Report Received 12/13/2021
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