

NATIONAL TRANSPORTATION SAFETY BOARD • PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT Use this form (Form 6120.1) to report civil and public aircraft accidents and incidents**BASIC INFORMATION****Accident/Incident Location**Nearest City/Place: Brush State: COZIP: 80723 Country: USALatitude: 40.264N Longitude: 103.577W

(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/TimeDate: 07/02/2025 Local Time: 11:45
mm/dd/yyyy HH:MMTime Zone: MDTCollision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None**AIRCRAFT INFORMATION**Registration Number: N7635HManufacturer: PiperModel: PA-12 Super CruiserSerial Number: 12-510Year of Manufacture: 1,946Amateur-Built: ☐ Yes ☒ No If Yes: ☐ Original Design ☐ Kit/Plans

Make: _____

- ☐
- IFR-Equipped and Certified
-
- ☐
- Commercial Space Flight
-
- ☐
- Unmanned Aircraft

Maximum Gross Weight: 1,750 lbs.Weight at Time of Accident/Incident: 1,475 lbs.Number of Seats: 2 Flight Crew Seats: _____Cabin Crew Seats: _____ Passenger Seats: 2

Number of Engines: _____

Category of Aircraft
(Select one)

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

Type of Airworthiness Certificate
(Check all that apply)**Standard**

- ☒
- Normal
-
- ☐
- Aerobatic
-
- ☐
- Balloon
-
- ☐
- Commuter
-
- ☐
- Transport
-
- ☐
- Utility

Special

- ☐
- Restricted
-
- ☐
- Limited
-
- ☐
- Provisional
-
- ☐
- Special Flight
-
- ☐
- Experimental
-
- ☐
- Special Light-Sport
-
- ☐
- Experimental Light-Sport

- ☐
- Certificate of Authorization or Waiver (COA)
-
- ☐
- None
- ☐
- Unknown

Landing Gear

(Check all that apply)

- ☐
- Retractable
- ☐
- High Skid
-
- ☐
- Tricycle
- ☐
- Skid
-
- ☒
- Tailwheel
- ☐
- Ski/Wheel
-
- ☐
- Emergency Float
- ☐
- Hull
-
- ☐
- Float
- ☐
- Ski
-
- ☐
- Amphibian
-
- ☐
- 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

Engine	Engine Manufacturer	Engine Model/Series	Engine 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	Lycoming	O-320-E2D	L-44438-27		160	2,486	10	468
Eng. 2								
Eng. 3								
Eng. 4								

Mfg. date unknown; first entry in engine log is 2/11/1976 (installed in Cessna 172 N80831 s/n 17266765)

Last Inspection Type

- ☐
- 100-Hour
-
- ☐
- AAIP
-
- ☒
- Annual
-
- ☐
- Continuous Airworthiness
-
- ☐
- Condition
-
- ☐
- Unknown

Date of Last Inspection: 06/26/2025
mm/dd/yyyy

Airframe Total Time: _____ 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:
- Fire extinguisher in cabin

Additional Equipment

- ☒
- ADS-B
-
- ☐
- Airframe Parachute
-
- ☐
- Angle of Attack Indicator
-
- ☐
- Autopilot
-
- ☐
- Autopilot/FMS, Model: _____
-
- ☐
- Coupled Flight Director
-
- ☐
- Data Recorder
-
- ☐
- Device Stall Warning System
-
- ☒
- Electronic Flight Bag or Handheld Device
-
- ☐
- Electronic Multifunction Display
-
- ☐
- Electronic Primary Flight Display
-
- ☐
- Flight Management System

- ☐
- Handheld GPS
-
- ☐
- Heads Up Display
-
- ☐
- Night Vision Goggles
-
- ☐
- Onboard Weather
-
- ☐
- Primary Flight Display
-
- ☐
- SAS, Number of Axes: _____ Model: _____
-
- ☐
- Satellite Tracking Device
-
- ☐
- Stall Warning System
-
- ☐
- Video Recording Device
-
- ☐
- Wire Strike Detection
-
- ☐
- Wire Strike Protection
-
- ☐
- Other, Specify: _____

ELT Installed: ☒ Yes ☐ No If Yes:ELT Manufacturer: unknownModel or Part No.: unknownTSO No.: ☒ C91 (121.5 MHz) ☐ C91a (121.5 MHz)
☐ C126 (406 MHz)Was ELT still mounted in aircraft? ☒ Yes ☐ NoWas ELT still connected to antenna? ☒ Yes ☐ NoDid ELT activate? ☐ Yes ☒ NoIf activated: Did ELT aid in locating aircraft? ☐ Yes ☐ NoIf not activated: Indicate Reason: ☐ Impact Damage☐ Fire Damage ☐ Battery Expired/Damaged ☒ UnknownPropeller 1 ☒ Fixed Pitch
☐ Controllable Pitch
☐ Ground AdjustableManufacturer: SensenichModel: 74DM6-0-58Propeller 2 ☐ Fixed Pitch
☐ Controllable Pitch
☐ Ground Adjustable

Manufacturer: _____

Model: _____

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**

Name: Andrew McRae
 City: Erie State: CO
 ZIP: 80516 Country: USA

Fractional Ownership Aircraft: ☒ Yes ☐ No

Operator of Aircraft

☒ The Operator is also the Registered Owner

☒ Same address as Registered Owner

Name: Andrew McRae
 City: Erie State: CO
 ZIP: 80516 Country: USA

Doing Business As: _____

Air Carrier/Operator Designator (4-character code): _____

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 450
☐ 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
☐ 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 ☐ Unknown

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: Brush Municipal

Airport Identifier: 7V5

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

Distance From Airport Center: 0.00 sm.

Direction From Airport: _____ degrees true

Airport Elevation: 4,280.00 ft. MSL

Runway Information

Runway ID: 25 Length: 4,300 ft. Width: 60 ft.

Runway/Landing Surface (Check all that apply)

- ☒ Asphalt ☐ Grass/Turf ☐ Ice ☐ Snow
☐ Concrete ☐ Gravel ☐ Macadam ☐ Water
☐ Dirt ☐ Helideck ☐ Metal/Wood ☐ Unknown
☐ Elevated Heliport ☐ Helistop ☐ Off-site landing area

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
☐ Takeoff ☐ IFR Departure Procedure/Clearance ☒ Landing ☐ Base ☐ Go Around
☐ Initial Climb ☐ 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 ☐ Unknown
☐ VOR/DME ☐ Localizer Only ☐ Visual
☐ TACAN ☐ LOC-back course ☐ Contact
☐ RNAV ☐ Circling

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**

☐ Captain ☐ First Officer ☒ 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: Andrew

City of Residence: Erie

Middle Initial: D

State: CO ZIP: 80516

Last Name: McRae

Country: USA

Age at time of Accident/Incident: 47

Date of Birth: [REDACTED] (mm/dd/yyyy)

Certificate Number: [REDACTED]

Degree of Injury ☒ None ☐ Serious ☐ Unknown ☐ Fatal ☐ Minor		Seat Occupied ☐ Left ☒ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single		Restraint Type <table border="0"> <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) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☒ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Sport ☐ Student ☐ Flight Engineer				Supplemental Restraint, specify: _____																	
Principal Occupation ☐ Pilot ☒ Other ☐ 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>04/27/2025</u> mm/dd/yyyy															
Medical Certificate Limitations none				Medical Certificate Special Limitations none																	

Personal Flight Equipment (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal locator beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

Date of Last Flight Review

or Equivalent, Including FAR 121/135 Checks: 06/17/2025
mm/dd/yyyy

Flight Review Aircraft

Make: Cessna

Model: 150

Airplane Rating(s) (Check all that apply) ☒ 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 ☐ Instrument Airplane ☐ Airplane Single-Engine ☐ Instrument Helicopter ☐ Airplane Multiengine ☐ Helicopter ☐ Gyroplane ☐ Glider ☐ Powered lift ☐ Sport					
Type Ratings and Applicable Logbook Endorsements <u>Tailwheel endorsement, 8/23/2023</u>						Student Endorsements (Include dates)					

Flight Time (Enter hours for each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Multi-engine Rotorcraft	Tail-wheel
						Actual	Simulated					
Total Time	167	25	167	0	5	2	5	0	0	0	0	44
Pilot in Command (PIC)	115	25	115	0	0	2	0	0	0	0	0	44
Time as Instructor	0	0	0	0	0	0	0	0	0	0	0	0
This Make/Model					0	0	0					
Last 90 Days	19	13	19	0	0	2	0	0	0	0	0	13
Last 30 Days	15	12	15	0	0	2	0	0	0	0	0	12
Last 24 Hours	5	5	5	0	0	0	0	0	0	0	0	5

"FLIGHT CREWMEMBER 2" INFORMATION**"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident**

☐ Captain ☐ First Officer ☐ 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: n/a

City of Residence: _____

Middle Initial: _____

State: _____ ZIP: _____

Last Name: _____

Country: _____

Age at time of Accident/Incident: _____

Date of Birth: _____ (mm/dd/yyyy)

Certificate Number: _____

Degree of Injury

☐ None ☐ Serious
☐ Unknown ☐ Fatal
☐ Minor

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

Supplemental Restraint, specify: _____

Inflatable Restraints

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Flight Instructor ☐ Commercial
☐ US Military ☐ Private ☐ Recreational
☐ Airline Transport ☐ Foreign ☐ Sport
☐ Student ☐ Flight Engineer

Principal Occupation

☐ Pilot
☐ Other
☐ 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

 mm/dd/yyyy

Medical Certificate Limitations**Medical Certificate Special Limitations****Personal Flight Equipment** (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal Locator Beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

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

 mm/dd/yyyy

Flight Review Aircraft

Make: _____

Model: _____

Airplane Rating(s)
(Check all that apply)

☐ 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 ☐ Instrument Airplane
☐ Airplane Single-Engine ☐ Instrument Helicopter
☐ Airplane Multiengine ☐ Helicopter
☐ Gyroplane ☐ Glider
☐ Powered lift ☐ Sport

Type Ratings and Applicable Logbook Endorsements**Student Endorsements** (Include dates)

Flight Time (Enter hours for each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Multi-engine Rotorcraft	Tail-wheel
						Actual	Simulated					
Total Time												
Pilot in Command (PIC)												
Time as Instructor												
This Make/Model												
Last 90 Days												
Last 30 Days												
Last 24 Hours												

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information.)

Additional Crewmember Information		Seat Occupied	Injury
First Name: <u>n/a</u>	City of Residence: _____	☐ Left ☐ Rear ☐ Center ☐ Single ☐ Right ☐ Unknown ☐ Front	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown
Middle Initial: _____	State: _____ Zip: _____		
Last Name: _____	Country: _____		
Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal locator beacon(s) (PLB) ☐ Fire resistant gloves ☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____			
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer		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.	Supplemental Restraint, specify: _____	

Additional Crewmember Information		Seat Occupied	Injury
First Name: <u>n/a</u>	City of Residence: _____	☐ Left ☐ Rear ☐ Center ☐ Single ☐ Right ☐ Unknown ☐ Front	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown
Middle Initial: _____	State: _____ Zip: _____		
Last Name: _____	Country: _____		
Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal Locator Beacon(s) (PLB) ☐ Fire resistant gloves ☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____			
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer		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.	Supplemental Restraint, specify: _____	

PASSENGER(S) / OTHER PERSONNEL (Include cabin crew; continue on separate sheet, if necessary.)

Number of Passengers <u>0</u>					
Passenger Information	Seat	Injury	Restraint Type	Inflatable Restraints	Age
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ 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 Supplemental Restraint, specify: _____	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown

First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown

FLIGHT ITINERARY INFORMATION

Last Departure Point	Time of Departure	Flight Information	Destination	Type Flight Plan Filed
Airport ID: <u>KSNY</u> City: <u>Sidney</u> State: <u>NE</u> Country: <u>USA</u>	Time: <u>10:35</u> HH:MM Time Zone: <u>MDT</u>	Flight Number: _____ Operating as Flight _____	Airport ID: <u>KEIK</u> City: <u>Erie</u> State: <u>CO</u> Country: <u>USA</u>	☒ None ☐ Company VFR ☐ Military VFR ☐ VFR Activated? ☐ Yes ☐ No ☐ Unknown ☐ VFR/IFR ☐ IFR ☐ Unknown

Type of ATC Clearance/Service <i>(Check all that apply)</i>				
☐ Certificate of Authorization	☐ Special VFR	☐ Special IFR	☐ VFR Flight Following	☐ Cruise
☒ VFR	☐ IFR	☐ VFR On Top	☐ Traffic Advisory	☐ Unknown / NA
☐ None				
Airspace where the accident/incident occurred <i>(Check all that apply)</i>				
☐ 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	Altitude of In-Flight Occurrence: <u>4,280</u> ft. MSL	
WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE				
Source of Pilot Weather Information <i>(Check all that apply)</i>		Weather Observation Facility		
☐ National Weather Service ☐ Flight Service Station ☐ TV/Radio ☐ Automated Report ☐ Electronic Flight Bag-Application:		☐ Company ☐ Military ☐ Internet ☒ None ☐ Unknown		
☐ On-Board Weather		Facility ID: _____ Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true		
Basic Conditions	Lowest Cloud Condition	Light Condition		
☒ VMC ☐ IMC ☐ Unknown	_____ ft. AGL	☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown ☒ Day ☐ Night ☐ Bright Night		
Sky/Lowest Cloud Condition	Ceiling	Ceiling Height		
☒ Clear ☐ Few ☐ Partial Obscuration ☐ Scattered	☐ Thin Broken ☐ Thin Overcast ☐ Unknown	☒ None (Clear) ☐ Broken ☐ Overcast ☐ Obscured ☐ Indefinite ☐ Unknown	Temperature: _____ (°C) or <u>85+</u> (°F) Dewpoint: _____ (°C) or _____ (°F)	
Note: An attempt to receive weather from KFMM AWOS was made before landing, but it could not be received from the vicinity of 7V5. Instead, the conditions reported here are from the pilot's observations and the wind socks at 7V5. The last weather report obtained was at KAKO ASOS approx. 10 min. earlier (17 NM, 102° from 7V5).				
Altimeter Setting:	Wind Direction	Wind Speed	Wind Gusts	Visibility
<u>30.07</u> (Hg), or _____ (mb) (from KAKO ASOS, approx. 11:30 am MDT)	☐ Variable or _____ Direction: <u>225.00</u> degrees true	☐ Calm ☐ Light and Variable or _____ Speed: <u>6.0</u> kts (estimated from wind sock)	☐ Not Gusting or _____ Speed: <u>10.0</u> kts (estimated)	_____ miles RVR: _____ feet RVV: _____ miles Density Altitude: <u>6,200.0</u> ft.
Type of Precipitation <i>(Check all that apply)</i>				Restriction to Visibility <i>(Check all that apply)</i>
☒ 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
Icing Forecast	Intensity of Precipitation	Icing Actual		Turbulence <i>(Check all that apply)</i>
Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown	☐ Light ☐ Moderate ☐ Heavy ☒ N/A ☐ Unknown	Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown		Type ☒ None ☐ Clear Air ☐ Terrain-Induced ☐ Convective
Type ☒ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown		Type ☐ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown		Severity ☐ Light ☐ Moderate ☐ Severe ☐ Extreme
NOTAMS (D and FDC), AIRMETS, SIGMETs, PIREPs in effect at the time of the accident/incident:				

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
☐ Fire at Unknown Time
☐ Unknown

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

The left main gear collapsed due to side loading after contact with the ground, and folded up below the fuselage.

The cowling had a dent on the left side near the cooling air inlet. The sheet metal surrounding the air intake on the lower cowling was bent although the carburetor and its attachment to the engine oil pan appeared undamaged. Upon visual inspection inside the cowling from the right and left side covers, the firewall and engine mount appeared normal with no buckling or other damage.

The prop struck the ground when the aircraft came to a stop and the tail lifted up, bending the tips of both blades forward.

The left wingtip (including the wingtip bow and position/strobe light) was damaged. The sheet metal forming the trailing edge of the left wing was buckled at one point midway between the strut/wing attachment and the fuselage; presumably this was due to deflection of the wing when the tip struck the ground, as the trailing edge did not contact the ground or any other obstacle.

All flight controls (ailerons, elevator, rudder, and elevator trim) appeared to be working normally afterwards, and the radio functioned afterwards for a mayday call, which was received by several airliners.

There was no other property damage other than that sustained by the aircraft.

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

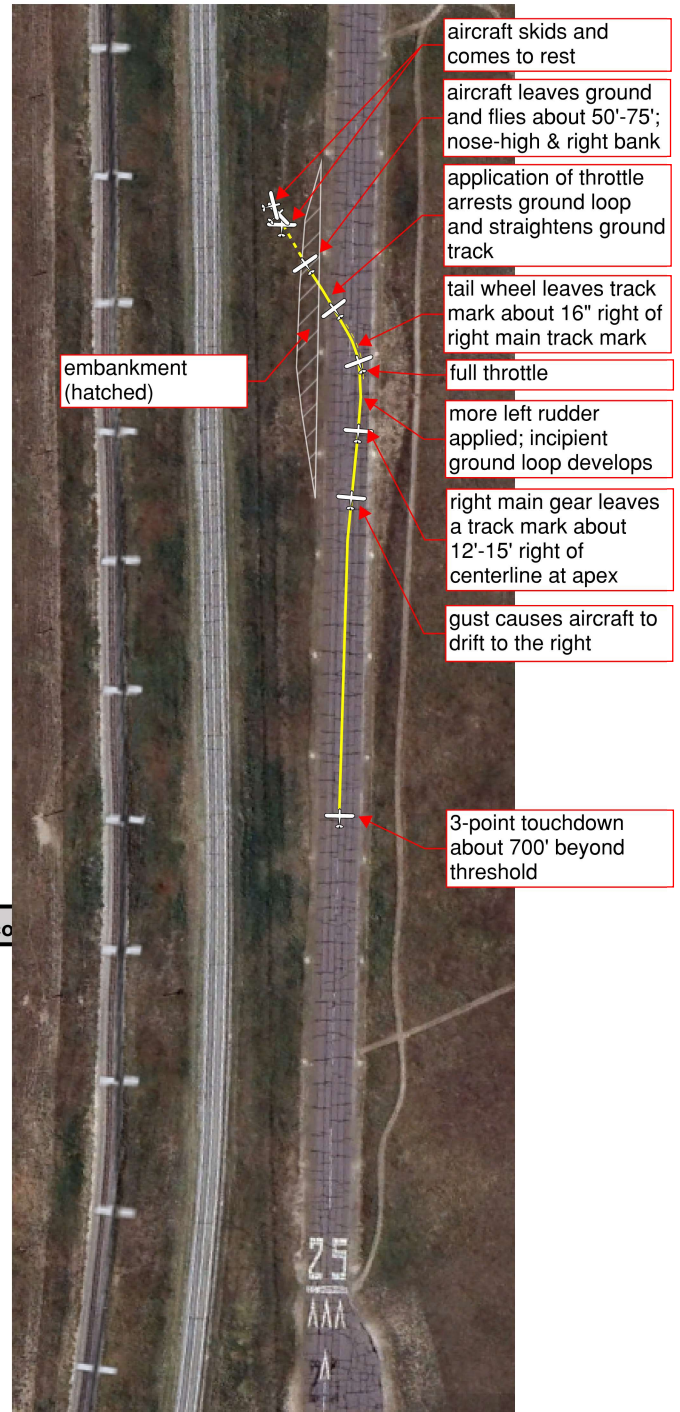
Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and location, services obtained, and intended destination. Provide as much detail as possible.

The flight of PA-12 N7635H on July 2 was intended for tailwheel proficiency. A flight plan was developed the evening prior including a weather briefing and a review of runway orientation and size at intended and potential airports. Weather conditions were reviewed again the morning of July 2 prior to departure from KEIK. The flight plan included landings at 11V, KGXY, 82V, KIBM, KSNY (full stop for fuel), KSTK, KAKO, 7V5, KFMM, and 18V before returning to KEIK. It was anticipated that before returning to KEIK, some light crosswind landings might be possible, but if they exceeded my personal maximum at the enroute airports, these landings could be skipped. If excessive crosswinds were present upon return to KEIK, planned alternates were KLMO, KBDU, 7CO0, or KBJC (all of which have different runway orientations from KEIK).

The first leg began with departure from KEIK at 8:00 am MDT with full fuel and only the pilot aboard and included seven touch-and-go landings along the way before arrival at KSNY at approximately 10:00 am MDT. After taking on 12.7 gallons of fuel, the second leg began at approximately 10:35 am MDT and included two touch-and-go landings on the grass runway 15 at KSTK and a touch-and-go at KAKO on runway 11, which was in use by other traffic in the pattern. Wind at both of these airports was generally out of the south.

In the vicinity of 7V5 at about 11:45 am, weather could not be clearly received from the nearest reporting station (KFMM AWOS) at approx. 5,800' MSL but overflight of 7V5 at 500 feet above pattern altitude showed a southwest wind (about 225°) estimated at 5-7 knots on the windsocks located midfield on the north side of the runway and at the west end of the field. Runway 25 was selected and the left downwind leg was entered from the area southwest of the airport. Because the air had been getting slightly bumpy between KAKO and 7V5, final approach speed was increased slightly from the usual 65 mph to just under 70 mph. A mild left forward slip aligned the aircraft with the centerline and the 3-point landing occurred an estimated 700-800' beyond the threshold.

(See continuation on p. 9)

**OPERATOR/OWNER SAFETY RECOMMENDATION** *(How can this be avoided?)*

In retrospect, I would avoid landing at 7V5 in the presence of any crosswind due to the embankments on either side of the runway (between approx. 1,000'-1,400' west of the threshold of runway 25). Had I landed beyond this portion of the runway, or in the absence of the embankments, I believe the aircraft probably would have rolled to a stop off-runway without damage.

While the aircraft was being recovered for transport, discussion with a local pilot based at 7V5 indicated that the embankments often create swirling winds which can make landings challenging. During discussion with the airport manager, he also asked (unprompted) whether the terrain on either side of the runway had been a factor with the winds.

While removal or flattening of these embankments may not be feasible due to the surrounding terrain, some advisory in the airport/facility directory listing for 7V5 regarding the steep terrain alongside part of the runway (the arrival end of 25 in particular) might be helpful to other pilots in the future as they plan their flights.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on a separate sheet.)		
Was there Mechanical Malfunction/Failure? ☐ Yes ☒ No <i>(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)</i>	Total Time/ Cycles On Part _____ Hours _____ Cycles	
	Time Since This Part Inspected/Overhauled _____ Hours	
FUEL & SERVICES INFORMATION		
Fuel on Board at Last Takeoff <i>(Convert from pounds, as necessary)</i> <u>38.0</u> Gallons	Fuel Type ☒ 100 Low Lead ☐ Jet A ☐ Automotive ☐ Jet A-1 ☐ Unleaded AV ☐ Other, specify _____	
Other Services, if any, 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: <u>The sole occupant exited through the cabin door (right side of the aircraft).</u>		
OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for <i>other</i> aircraft.)		
Aircraft Registration Number _____	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 (Additional space for answers to any question.)		
(Continued from narrative history, p. 8)		
Although left aileron had been held from final approach through the touchdown, after touchdown the wind gusted from the south and the aircraft began to drift to the right of the centerline. A correction was made with left rudder and a moment later full throttle was applied to increase rudder authority and go around. Although a ground loop had begun to develop, it was arrested by the application of the throttle, but at that point the aircraft's ground track was pointed approximately 30° to the left as it crossed the centerline and the ground track straightened out. The aircraft departed the runway on this path and climbed up the embankment on the left side of the runway. Upon reaching the top of the embankment, the aircraft became airborne again. Due to the diagonal path of travel over the rising terrain, the aircraft was banked to the right and nose-high as it left the ground and achieved about 10-15' of altitude above the higher terrain on the south side of the runway. Back pressure on the stick was eased to avoid a stall but there was not enough altitude or energy to remain in flight and the aircraft settled back to the ground after a distance perhaps 50 or 75' in the air. The aircraft skidded across the ground yawed to the right until the left main gear collapsed and dug into the soft dirt, quickly stopping the aircraft. It came to rest about 20° tail-high, resting on the left main gear (folded up below the fuselage), the forward left portion of the fuselage (near the lower left engine mount point), and the right main gear. Once the plane was at rest, the throttle, mixture, and fuel were shut off and a mayday call was made on 121.5 and repeated once a few seconds later. The call included the aircraft type and tail number, airport, and that the sole occupant was uninjured. Then the master was turned off before exiting the aircraft. Fortunately, the shoulder harness (4-point type) had been cinched tight as a part of the pre-landing checklist and it prevented any injury.		

By signing this form, I am consenting to the public release of the information provided herein.

Date of this report:

07/16/2025

mm/dd/yyyy

Name of Pilot/Operator: Andrew McRae

Signature: _____

-or- ☒ Check here to electronically sign this document

If a person other than Pilot/Operator is filing this report

Name: _____

Title: _____

Signature: _____

-or- ☐ Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No. CEN25LA235	Reviewed by NTSB AS Division Central	Name of Investigator Aguilera	Date Report Received 5 August 2025
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