

# 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: Broadheadsville State: PA  
 ZIP: 18322 Country: USA  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
*(Enter in decimal degrees or degrees:minutes:seconds)*

### Accident/Incident Date/Time

Date: 8-21-2014 Local Time: 1850  
*mm/dd/yyyy* Time Zone: Eastern

Collision with Other Aircraft:  Midair  On-ground  None

## AIRCRAFT INFORMATION

Registration Number: N62632  
 Manufacturer: Thibault, Michael L  
 Model: RV4  
 Serial Number: 1733  
 Year of Manufacture: 1998  
 Amateur-Built:  Yes  No If Yes:  Kit/Plans  Original Design Make: Vans

IFR-Equipped and Certified  
 Commercial Space Flight  
 Unmanned Aircraft

Maximum Gross Weight: 1500 lbs  
 Weight at Time of Accident/Incident: 1200 lbs  
 Number of Seats: 2 Flight Crew Seats: 1  
 Cabin Crew Seats: 0 Passenger Seats: 1  
 Number of Engines: 1

### Category of Aircraft

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

### Type of Airworthiness Certificate

*(Check all that apply)*

- |   |   |
|---|---|
| <b>Standard</b>   | <b>Special</b>                                    |
| <input 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 checked="" 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
- Tricycle  Tailwheel
- Amphibian  High Skid
- Emergency Float  Skid
- Float  Ski
- Hull  Ski/Wheel
- Other Launch/Recovery System
- None  Unknown

### Engine Type (Select one)

- |  |                                     |
|--|-------------------------------------|
| <input checked="" 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 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. <i>mm/dd/yyyy</i>	Rated Power <input checked="" type="radio"/> Horsepower or <input type="radio"/> lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	LYCOMING	O-320 E2D	L-19440-27A		150	3490.36	11	1720
Eng. 2								
Eng. 3								
Eng. 4								

### Last Inspection Type

- 100-Hour  Continuous Airworthiness  
 AAIP  Conditional Inspection  
 Annual  Unknown

Date Last Inspection: 6/1/2014  
*mm/dd/yyyy*

Airframe Total Time: 296.5 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: \_\_\_\_\_

### Propeller 1

- Fixed Pitch  
 Controllable Pitch  
 Ground Adjustable

Manufacturer: Sensenich  
 Model: W68T6em

### Propeller 2

- Fixed Pitch  
 Controllable Pitch  
 Ground Adjustable

Manufacturer: \_\_\_\_\_  
 Model: \_\_\_\_\_

ELT Installed:  Yes  No

If Yes:  
 ELT Manufacturer: Narco  
 Model or Part No.: \_\_\_\_\_  
 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: \_\_\_\_\_

**OWNER/OPERATOR INFORMATION**

**Registered Aircraft Owner**  
 Name: Mark Melnick/ Richard Beltz City: Bangor  
 State: Pa ZIP: 18013-5250  
 Fractional Ownership Aircraft:  Yes  No Country: USA

**Operator of Aircraft**  Same As Registered Owner  Same Address as Registered Owner  
 Name: Richard Beltz City: Lehighton  
 Doing Business As: \_\_\_\_\_ State: PA ZIP: 18235  
 Air Carrier/Operator Designator (4 Character Code): \_\_\_\_\_ Country: USA

<b>Operating Certificates Held</b> <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Flag Carrier Operating Certificate (FAR 121) <input type="checkbox"/> Supplemental <input type="checkbox"/> Air Cargo <input type="checkbox"/> Foreign Air Carriers (FAR 129) <input type="checkbox"/> Rotorcraft External Load (FAR 133) <input type="checkbox"/> Commuter Air Carrier (FAR 135) <input type="checkbox"/> On-Demand Air Taxi (FAR 135) <input type="checkbox"/> Commercial Air Tour (FAR 136) <input type="checkbox"/> Agricultural Aircraft (FAR 137) <input type="checkbox"/> Pilot School (FAR 141) <input type="checkbox"/> Certificate of Authorization or Waiver (COA) <input type="checkbox"/> Commercial Space Transportation Experimental Permit <input type="checkbox"/> Commercial Space Transportation License <input type="checkbox"/> Other Operator of Large Aircraft	<b>Regulation Flight Conducted Under</b> <input checked="" type="radio"/> FAR 91 <input type="radio"/> FAR 129 <input type="radio"/> FAR 415 <input type="radio"/> FAR 103 <input type="radio"/> FAR 133 <input type="radio"/> FAR 431 <input type="radio"/> FAR 121 <input type="radio"/> FAR 135 <input type="radio"/> FAR 435 <input type="radio"/> FAR 125 <input type="radio"/> FAR 137 <input type="radio"/> FAR 437 <input type="radio"/> FAR 91 Special Flight <input type="radio"/> Non-US, Commercial <input type="radio"/> Non-US, Non-commercial <input type="radio"/> Public Aircraft <i>(Select one)</i> <input type="radio"/> Armed Forces <input type="radio"/> Federal <input type="radio"/> State <input type="radio"/> Local <input type="radio"/> Unknown	<b>Revenue Operation for FAR 121, 125, 129, 135</b> <i>(Select one for each group)</i> <input type="radio"/> Scheduled or Commuter <input type="radio"/> Domestic <input type="radio"/> Non-Scheduled or Air Taxi <input type="radio"/> International <input type="radio"/> Passenger <input type="radio"/> Cargo <input type="radio"/> Mail Contract Only
	<b>Revenue Sightseeing Flight</b> <input type="radio"/> Yes <input checked="" type="radio"/> No	<b>Air Medical Flight</b> <input type="radio"/> Yes <input checked="" type="radio"/> No

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

**Airport Name:** \_\_\_\_\_ **Distance From Airport Center:** \_\_\_\_\_ sm  
**Airport Identifier:** \_\_\_\_\_ **Direction From Airport:** \_\_\_\_\_ degrees true  
**Proximity to Airport:**  Off Airport/Airstrip  On Airport/Airstrip  N/A **Airport Elevation:** \_\_\_\_\_ ft. msl

<b>Runway Information</b> Runway ID: _____ (L/R/C) Length: _____ ft Width: _____ ft	<b>Condition of Runway/Landing Surface</b> <i>(Check all that apply)</i> <input type="checkbox"/> Dry <input type="checkbox"/> Snow-Compacted <input type="checkbox"/> Water-Calm <input type="checkbox"/> Holes <input type="checkbox"/> Snow-Crusted <input type="checkbox"/> Water-Choppy <input type="checkbox"/> Ice Covered <input type="checkbox"/> Snow-Dry <input type="checkbox"/> Water-Glassy <input type="checkbox"/> Rough <input type="checkbox"/> Snow-Wet <input type="checkbox"/> Wet <input type="checkbox"/> Rubber Deposits <input type="checkbox"/> Soft <input type="checkbox"/> Slush-Covered <input type="checkbox"/> Vegetation <input type="checkbox"/> Unknown
<b>Runway/Landing Surface</b> <i>(Check all that apply)</i> <input type="checkbox"/> Asphalt <input type="checkbox"/> Grass/Turf <input type="checkbox"/> Macadam <input type="checkbox"/> Water <input type="checkbox"/> Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Metal/Wood <input type="checkbox"/> Dirt <input type="checkbox"/> Ice <input type="checkbox"/> Snow <input type="checkbox"/> 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  Final  Aborted Landing (after touchdown)  
 Crosswind  Unknown

<b>IFR Approach</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> ADF/NDB <input type="checkbox"/> PAR <input type="checkbox"/> MLS <input type="checkbox"/> Practice <input type="checkbox"/> SDF <input type="checkbox"/> Sidestep <input type="checkbox"/> LDA <input type="checkbox"/> GPS <input type="checkbox"/> VOR/TVOR <input type="checkbox"/> ILS <input type="checkbox"/> ASR <input type="checkbox"/> VOR/DME <input type="checkbox"/> Localizer Only <input type="checkbox"/> Visual <input type="checkbox"/> TACAN <input type="checkbox"/> LOC-back course <input type="checkbox"/> Contact <input type="checkbox"/> RNAV <input type="checkbox"/> Circling <input type="checkbox"/> Unknown	<b>VFR Approach</b> <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Traffic Pattern <input type="checkbox"/> Stop and Go <input type="checkbox"/> Straight-In <input type="checkbox"/> Touch and Go <input type="checkbox"/> Valley/Terrain Following <input type="checkbox"/> Simulated Forced Landing <input type="checkbox"/> Go Around <input type="checkbox"/> Forced Landing <input type="checkbox"/> Full Stop <input type="checkbox"/> Precautionary Landing <input type="checkbox"/> Unknown
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**"FLIGHT CREWMEMBER 2" INFORMATION**

**"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident**  
 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: \_\_\_\_\_ City of Residence: \_\_\_\_\_  
 Middle Initial: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Last Name: \_\_\_\_\_ Country: \_\_\_\_\_  
 Age at time of Accident/Incident: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ mm/dd/yyyy  
 Certificate Number: \_\_\_\_\_

<b>Degree of Injury</b> <input type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious	<b>Seat Occupied</b> <input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single	<b>Restraint Type</b> <table style="width:100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td><input type="radio"/> None</td> <td><input type="radio"/> None</td> </tr> <tr> <td><input type="radio"/> Lap only</td> <td><input type="radio"/> Lap only</td> </tr> <tr> <td><input type="radio"/> 3-point</td> <td><input type="radio"/> 3-point</td> </tr> <tr> <td><input type="radio"/> 4-point</td> <td><input type="radio"/> 4-point</td> </tr> <tr> <td><input type="radio"/> 5-point</td> <td><input type="radio"/> 5-point</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> Unknown</td> </tr> </table>	Available	Used	<input type="radio"/> None	<input type="radio"/> None	<input type="radio"/> Lap only	<input type="radio"/> Lap only	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="radio"/> Unknown	<input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Available	Used																
<input type="radio"/> None	<input type="radio"/> None																
<input type="radio"/> Lap only	<input type="radio"/> Lap only																
<input type="radio"/> 3-point	<input type="radio"/> 3-point																
<input type="radio"/> 4-point	<input type="radio"/> 4-point																
<input type="radio"/> 5-point	<input type="radio"/> 5-point																
<input type="radio"/> Unknown	<input type="radio"/> Unknown																
<b>Pilot Certificate(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer																	

<b>Principal Occupation</b> <input type="radio"/> Pilot <input type="radio"/> Other <input type="radio"/> Unknown	<b>Medical Certificate</b> <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown	<b>Medical Certificate Validity</b> <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance	<b>Date of Last Medical</b> _____ mm/dd/yyyy
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**Medical Certificate Limitations**

\_\_\_\_\_

**Medical Certificate Special Issuance**

\_\_\_\_\_

<b>Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:</b> _____ mm/dd/yyyy	<b>Flight Review Aircraft</b> Make: _____ Model: _____
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<b>Airplane Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	<b>Other Aircraft Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instrument Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instructor Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Instrument Helicopter <input type="checkbox"/> Helicopter <input type="checkbox"/> Glider <input type="checkbox"/> Sport
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<b>Type Ratings</b> _____	<b>Student Endorsements</b> (Include dates) _____
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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										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours										



<b>ADDITIONAL FLIGHT CREWMEMBERS</b> (Exclusive of cabin crew, complete the following information)							
<b>Crew Name and Address</b>			<b>Seat Occupied</b>		<b>Injury</b>		
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____			<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown <input type="radio"/> Unknown		<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown		
<b>Pilot Certificate(s)</b> (Check all that apply)			<b>Restraint Type:</b>		<b>Inflatable Restraints</b>		
<input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer			<b>Available</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown		<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown		
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs					
<b>Crew Name and Address</b>			<b>Seat Occupied</b>		<b>Injury</b>		
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____			<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown <input type="radio"/> Unknown		<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown		
<b>Pilot Certificate(s)</b> (Check all that apply)			<b>Restraint Type:</b>		<b>Inflatable Restraints</b>		
<input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer			<b>Available</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown		<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown		
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs					
<b>PASSENGER(S) / OTHER PERSONNEL</b> (Include cabin crew; continue on separate sheet if necessary)							
Name and Address		Seat	Injury	Restraint Type		Inflatable Restraints	Age
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<b>Used</b> <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years <i>If Under 5,</i> <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other							
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<b>Used</b> <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years <i>If Under 5,</i> <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other							
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<b>Used</b> <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years <i>If Under 5,</i> <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other							

### FLIGHT ITINERARY INFORMATION

<b>Last Departure Point</b> Airport ID: <u>14N</u> City: <u>Lehighton</u> State: <u>PA</u> Country: <u>USA</u>	<b>Time of Departure</b> Time: <u>0635 pm</u> Time Zone: <u>Eastern</u>	<b>Destination</b> Airport ID: <u>14N</u> City: <u>Lehighton</u> State: <u>PA</u> Country: <u>USA</u>	<b>Type Flight Plan Filed</b> <input checked="" type="radio"/> None <input type="radio"/> VFR/IFR <input type="radio"/> Company VFR <input type="radio"/> IFR <input type="radio"/> Military VFR <input type="radio"/> Unknown <input type="radio"/> VFR Activated? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
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**Type of ATC Clearance/Service** (Check all that apply)

<input checked="" 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 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 checked="" type="checkbox"/> Class G	<input type="checkbox"/> Military Operations Area (MOA)	<input type="checkbox"/> Special	<b>Altitude of In-Flight Occurrence:</b> <u>2000</u> ft msl
<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 type="checkbox"/> Class E	<input type="checkbox"/> Restricted Area	<input type="checkbox"/> FAR 93		

### WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

<b>Source of Pilot Weather Information</b> (Check all that apply) <table style="width:100%;"> <tr> <td><input type="checkbox"/> National Weather Service</td> <td><input type="checkbox"/> Company</td> </tr> <tr> <td><input type="checkbox"/> Flight Service Station</td> <td><input type="checkbox"/> Military</td> </tr> <tr> <td><input type="checkbox"/> TV/Radio</td> <td><input type="checkbox"/> Internet</td> </tr> <tr> <td><input type="checkbox"/> Automated Report</td> <td><input checked="" type="checkbox"/> None</td> </tr> <tr> <td><input type="checkbox"/> Commercial Weather Service (DUATS)</td> <td><input type="checkbox"/> Unknown</td> </tr> <tr> <td><input type="checkbox"/> On-Board Weather</td> <td></td> </tr> </table>	<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 type="checkbox"/> Automated Report	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Commercial Weather Service (DUATS)	<input type="checkbox"/> Unknown	<input type="checkbox"/> On-Board Weather		<b>Weather Observation Facility</b> Facility ID: _____ Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true
<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 type="checkbox"/> Automated Report	<input checked="" type="checkbox"/> None												
<input type="checkbox"/> Commercial Weather Service (DUATS)	<input type="checkbox"/> Unknown												
<input type="checkbox"/> On-Board Weather													

<b>Basic Conditions</b> <input checked="" type="radio"/> VMC <input type="radio"/> IMC <input type="radio"/> Unknown	<b>Light Condition</b> <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
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<b>Sky/Lowest Cloud Condition</b> <input type="radio"/> Clear <input type="radio"/> Thin Broken <input type="radio"/> Few <input checked="" type="radio"/> Thin Overcast <input type="radio"/> Partial Obscuration <input type="radio"/> Unknown <input type="radio"/> Scattered <b>Lowest Cloud Condition Height</b> <u>3500+</u> ft agl	<b>Ceiling</b> <input type="radio"/> None (Clear) <input type="radio"/> Obscured <input type="radio"/> Broken <input type="radio"/> Indefinite <input checked="" type="radio"/> Overcast <input type="radio"/> Unknown <b>Ceiling Height</b> <u>3500+</u> ft agl	<b>Temperature:</b> _____ (C) or <u>83</u> (F) <b>Dew Point:</b> _____ (C) or <u>68</u> (F) <b>Altimeter Setting:</b> <u>29.96</u> in. Hg or _____ MB
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<b>Wind Direction</b> <input type="checkbox"/> Variable -or- Direction: <u>180</u> degrees true	<b>Wind Speed</b> <input type="checkbox"/> Calm <input type="checkbox"/> Light and Variable -or- Speed: <u>5</u> kts	<b>Wind Gusts</b> <input checked="" type="checkbox"/> Not Gusting -or- Speed: _____ kts	<b>Visibility</b> <u>5</u> miles RVR: _____ feet RVV: _____ miles <b>Density Altitude:</b> _____ ft
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<b>Intensity of Precipitation</b> <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Heavy <input type="radio"/> N/A <input type="radio"/> Unknown	<b>Type of Precipitation</b> (Check all that apply) <table style="width:100%;"> <tr> <td><input checked="" type="checkbox"/> None</td> <td><input type="checkbox"/> Drizzle</td> <td><input type="checkbox"/> Freezing Rain</td> </tr> <tr> <td><input type="checkbox"/> Rain</td> <td><input type="checkbox"/> Ice Pellets</td> <td><input type="checkbox"/> Snow Shower</td> </tr> <tr> <td><input type="checkbox"/> Snow</td> <td><input type="checkbox"/> Snow Pellets</td> <td><input type="checkbox"/> Ice Pellets Shower</td> </tr> <tr> <td><input type="checkbox"/> Hail</td> <td><input type="checkbox"/> Snow Grains</td> <td><input type="checkbox"/> Freezing Drizzle</td> </tr> <tr> <td><input type="checkbox"/> Rain Showers</td> <td><input type="checkbox"/> Ice Crystals</td> <td></td> </tr> </table>	<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		<b>Restriction to Visibility</b> (Check all that apply) <table style="width:100%;"> <tr> <td><input type="checkbox"/> None</td> <td><input type="checkbox"/> Fog</td> </tr> <tr> <td><input type="checkbox"/> Blowing Dust</td> <td><input type="checkbox"/> Ground Fog</td> </tr> <tr> <td><input type="checkbox"/> Blowing Sand</td> <td><input checked="" type="checkbox"/> Haze</td> </tr> <tr> <td><input type="checkbox"/> Blowing Snow</td> <td><input type="checkbox"/> Ice Fog</td> </tr> <tr> <td><input type="checkbox"/> Blowing Spray</td> <td><input type="checkbox"/> Smoke</td> </tr> <tr> <td><input type="checkbox"/> Dust</td> <td><input type="checkbox"/> Unknown</td> </tr> </table>	<input type="checkbox"/> None	<input type="checkbox"/> Fog	<input type="checkbox"/> Blowing Dust	<input type="checkbox"/> Ground Fog	<input type="checkbox"/> Blowing Sand	<input checked="" 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
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<b>Icing Forecast</b> <table style="width:100%;"> <tr> <th>Amount</th> <th>Type</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input type="radio"/> N/A</td> </tr> <tr> <td><input type="radio"/> Trace</td> <td><input type="radio"/> Rime</td> </tr> <tr> <td><input type="radio"/> Light</td> <td><input type="radio"/> Clear</td> </tr> <tr> <td><input type="radio"/> Moderate</td> <td><input type="radio"/> Mixed</td> </tr> <tr> <td><input type="radio"/> Severe</td> <td><input type="radio"/> Unknown</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td></td> </tr> </table>	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		<b>Icing Actual</b> <table style="width:100%;"> <tr> <th>Amount</th> <th>Type</th> </tr> <tr> <td><input checked="" type="radio"/> None</td> <td><input type="radio"/> N/A</td> </tr> <tr> <td><input type="radio"/> Trace</td> <td><input type="radio"/> Rime</td> </tr> <tr> <td><input type="radio"/> Light</td> <td><input type="radio"/> Clear</td> </tr> <tr> <td><input type="radio"/> Moderate</td> <td><input type="radio"/> Mixed</td> </tr> <tr> <td><input type="radio"/> Severe</td> <td><input type="radio"/> Unknown</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td></td> </tr> </table>	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		<b>Turbulence</b> <b>Type</b> (Check all that apply) <table style="width:100%;"> <tr> <td><input checked="" type="checkbox"/> None</td> <td><input type="checkbox"/> Light</td> </tr> <tr> <td><input type="checkbox"/> Clear Air</td> <td><input type="checkbox"/> Moderate</td> </tr> <tr> <td><input type="checkbox"/> Terrain-Induced</td> <td><input type="checkbox"/> Severe</td> </tr> <tr> <td><input type="checkbox"/> Convective Turbulence</td> <td><input type="checkbox"/> Extreme</td> </tr> </table>	<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
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**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       Substantial  
 Minor       Destroyed  
                  Unknown

**Aircraft Fire**

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

**Aircraft Explosion**

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

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

Firewall pulled forward by gear legs being pulled back. The pivot point of the gear leg was the bottom section of the engine mount which also broke. Right wingtip leading edge pushed in. canopy broken, top of vertical fin damaged. Elevator damaged by good samaritans who lifted there to allow me to get out of cockpit. Propeller was broken when flipped upside down.

**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 and location, services obtained, and intended destination. Provide as much detail as possible.

On Thursday, August 21, 2014 at 6:30 pm, I decided to fly my RV-4 around the valley after getting finished with work and before heading home to eat my dinner. I was expecting a 15 minute flight and thought to myself it will probably take longer to get the hangar doors open, pull the aircraft out, preflight and then have to put it away when done then the flight would take. Preflight consisted of checking the fuel level in the tanks visually, checking the oil level and giving the airframe a quick once over. I observed about an inch and a half of fuel looking in the fuel caps which due to dihedral and my previous experience fueling this aircraft equated to just less than half tanks. Fuel capacity is 32 gallons in this aircraft which meant I had about 1.5 hours of fuel at cruise power (0-320). Engine started normally, oil pressure was good, and mag check was good. I departed 14N to the west and climbed to 2000ft MSL. I switched to the left tank once reaching level flight. I flew over to 22N then turned north and then east. I flew along the north side of Beltzville Lake and upon reaching the east end of the lake decided to head to Pegasus airport and then home. Approximately one minute after that the engine sputtered and quit. I turned on the fuel pump, switched to "both" and then to right tank while the prop was windmilling. I pumped the throttle and tried different throttle settings but to no avail. I saw a fresh cut field to the north of me about 1/2 mile away and decided that was my best option. On base for the cut field I decided to stop messing with the engine and concentrate on landing. I pulled the nose up, slowing, which allowed the prop to stop. I put 1/2 flaps out and was flying at around 80 mph. Turning final for the cut field I was disappointed to see the field I had chosen sloped from right to left at about a 20 degree angle and sloped down toward a house. I put the rest of the flaps out, turned off the master and cinched my shoulder belts. I turned slightly left, deciding that the flat green field that bordered the cut field was my only other option. I touched down in about the center of the field and immediately came to a stop on my back. The field which looked to be about 12 inches of green from 200 feet turned out to be 30 inches of soybeans. I released my belts, dropping to the ground. The canopy was broken so I started digging my way out with a piece of the canopy. A neighbor came and lifted the tail allowing me to squeeze out the hole in the canopy. The only injuries sustained were minor, some cuts from crawling out the hole in the canopy and a bruise on my right thigh and right arm.

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

Operator/Owner Safety Recommendation

Not sure why engine quit.

**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.)

Not sure at this time

**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)

14 gallons \_\_\_\_\_ Gallons**Fuel Type** 80/87 100 Low Lead 100/130 115/145 Jet A Jet A-1 Jet B JP8 Automotive 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

Crawled out thru broken canopy.

**OTHER AIRCRAFT – COLLISION** (If air or ground collision occurred, complete this section for *other* 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** (Please type or print in ink)

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

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

<b>Date of this Report</b> <u>9/21/2014</u> <i>mm/dd/yyyy</i>	<b>Name of Pilot/Operator:</b> <u>Richard R. Beltz</u> <b>Signature:</b>  -- or -- <input 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**

<b>NTSB Accident/Incident No.</b> ERA14LA402	<b>Reviewed by NTSB Regional Office</b> ERA Aviation	<b>Name of Investigator</b> Allison Diaz	<b>Date Report Received</b> 9/21/2014
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