

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

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

BASIC INFORMATION

Accident/Incident Location Nearest City/Place: <u>MENARD</u> State: <u>TX</u> ZIP: <u>76959</u> Country: <u>MENARD</u> Latitude: _____ (dd:mm:ss N/S) Longitude: _____ (ddd:mm:ss E/W)		Date/Time Date: <u>1-02-2013</u> Local Time: <u>APR 5:45 PM</u> mm/dd/yyyy Time Zone: <u>CENTRAL</u>	
Phase of Operation ☐ Standing ☐ Takeoff (incl. initial climb) ☒ Cruise ☐ Hover ☐ Taxi ☐ Climb ☐ Maneuvering ☐ Other ☐ Descent ☐ Landing ☐ Approach ☐ Unknown		Collision with Other Aircraft ☐ Midair ☐ On-ground ☐ None	Altitude of In-Flight Occurrence <u>APT 250</u> ft MSL

AIRCRAFT INFORMATION

Manufacturer: <u>ROBINSON</u> Model: <u>R44 II</u> Serial Number: <u>11322</u> Registration Number: <u>N744RM</u> Amateur-built: ☐ Yes ☒ No		Max Gross Weight: <u>2500</u> lbs Weight at Time of Accident/Incident: <u>1920</u> lbs Location of Center of Gravity at Time of Accident/Incident: <u>100</u> inches from ☐ nose or ☒ datum -or- _____ Percent Mean Aerodynamic Cord (% MAC)	
---	--	--	--

Category of Aircraft ☐ Airplane ☐ Balloon ☐ Blimp/Dirigible ☐ Glider ☐ Gyrocraft ☒ Helicopter ☐ Powered lift ☐ Ultralight ☐ Unknown	Type of Airworthiness Certificate <i>(Check all that apply)</i> <table style="width: 100%;"> <tr> <th style="text-align: left;">Standard</th> <th style="text-align: left;">Special</th> </tr> <tr> <td>☒ Normal</td> <td>☐ Restricted</td> </tr> <tr> <td>☐ Utility</td> <td>☐ Limited</td> </tr> <tr> <td>☐ Acrobatic</td> <td>☐ Provisional</td> </tr> <tr> <td>☐ Transport</td> <td>☐ Experimental</td> </tr> <tr> <td></td> <td>☐ Special Flight</td> </tr> <tr> <td></td> <td>☐ Light Sport</td> </tr> </table>	Standard	Special	☒ Normal	☐ Restricted	☐ Utility	☐ Limited	☐ Acrobatic	☐ Provisional	☐ Transport	☐ Experimental		☐ Special Flight		☐ Light Sport	Number of Seats: <u>4</u> If Large Aircraft, how many seats for: Flight Crew: _____ Cabin Crew: _____ Passengers: _____	Landing Gear ☐ Retractable Check any additional landing gear configuration that applies: <table style="width: 100%;"> <tr> <td>☐ Tricycle</td> <td>☐ Tailwheel</td> </tr> <tr> <td>☐ Amphibian</td> <td>☐ High Skid</td> </tr> <tr> <td>☐ Emergency Float</td> <td>☒ Skid</td> </tr> <tr> <td>☐ Float</td> <td>☐ Ski</td> </tr> <tr> <td>☐ Hull</td> <td>☐ Ski/Wheel</td> </tr> <tr> <td>☐ Unknown</td> <td></td> </tr> </table>	☐ Tricycle	☐ Tailwheel	☐ Amphibian	☐ High Skid	☐ Emergency Float	☒ Skid	☐ Float	☐ Ski	☐ Hull	☐ Ski/Wheel	☐ Unknown	
Standard	Special																												
☒ Normal	☐ Restricted																												
☐ Utility	☐ Limited																												
☐ Acrobatic	☐ Provisional																												
☐ Transport	☐ Experimental																												
	☐ Special Flight																												
	☐ Light Sport																												
☐ Tricycle	☐ Tailwheel																												
☐ Amphibian	☐ High Skid																												
☐ Emergency Float	☒ Skid																												
☐ Float	☐ Ski																												
☐ Hull	☐ Ski/Wheel																												
☐ Unknown																													

Type of Maintenance Program ☒ Annual ☐ Conditional (Amateur-built only) ☐ Manufacturer's Inspection Program ☐ Other Approved Inspection Program (AAIP) ☐ Continuous Airworthiness ☐ Other, specify: _____	Last Inspection Type ☒ 100 Hour ☐ Continuous Airworthiness ☐ AAIP ☐ Conditional Inspection ☐ Annual ☐ Unknown	Date Last Inspection: <u>12-04-12</u> mm/dd/yyyy Airframe Total Time: <u>1193.6</u> hrs hours measured at (check one) ☒ Last Inspection ☐ Time of Accident/Incident
---	--	---

IFR Equipped ☐ Yes ☒ No ☐ Unknown	Stall Warning System Installed ☐ Yes ☒ No ☐ Unknown	Type of Fire Extinguishing System ☐ None ☐ Specify <u>NO</u>
---	---	---

ELT Installed ELT Activated ☒ Yes ☐ No ☐ Yes ☒ No	ELT Manufacturer: <u>NA</u> Model/Series: _____ Serial Number: _____ Battery Type: _____ Battery Exp. Date: _____	
--	---	--

Engine Type ☒ Reciprocating ☐ Turbo Jet ☐ Turbo Shaft ☐ Turbo Fan ☐ Turbo Prop ☐ Unknown	Reciprocating Fuel System Type ☐ Carburetor ☒ Fuel Injected	Propeller ☐ Fixed Pitch ☐ Controllable Pitch Manufacturer: <u>NA</u> Model: _____
---	---	---

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Engine Rated Power Measured as (check one) ☐ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since Inspection (hours)	Time Since Overhaul (hours)
Eng. 1	<u>NA</u>							
Eng. 2								
Eng. 3								
Eng. 4								

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**Name: RANCHO BONITO LIVESTOCKFractional Ownership Aircraft: ☐ Yes ☒ No**Owner Address**City: MEHARDState: TX ZIP: 76859

Country: _____

Operator of Aircraft☐ Same As Registered OwnerName: LEE CALLAN

Doing Business As: _____

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

Operator Address☒ Same As Registered Owner

City: _____

State: _____ ZIP: _____

Country: _____

Regulation Flight Conducted Under

- ☒ FAR 91 ☐ FAR 129 ☐ FAR 91 Special Flight ☐ Public Use (select type)
☐ FAR 103 ☐ FAR 133 ☐ Non-US, Commercial ☐ Federal ☐ State ☐ Local
☐ FAR 121 ☐ FAR 135 ☐ Non-US, Non-commercial ☐ Unknown
☐ FAR 125 ☐ FAR 137 ☐ Armed Forces

Revenue Sightseeing Flight☐ Yes ☒ No**Air Medical Flight**☐ Yes ☒ No**Purpose of Flight**

for FAR 91, 103, 133, 137 (Select one)

- ☒ Personal
☐ Business
☐ Executive/Corporate
☐ Other Work Use
☐ Instructional
☐ Ferry
☐ Positioning
☐ Aerial Application
☐ Aerial Observation
☐ Air Drop
☐ Air Race / Show
☐ Flight Test
☐ Public Use
☐ Unknown

Revenue Operation

for FAR 121, 125, 129, 135 (Select one)

- ☐ Scheduled or Commuter
☐ Non-Scheduled or Air Taxi

Domestic or International☐ Domestic ☐ International**Cargo Operation**

- ☐ Passenger/Cargo
☐ Passenger _____ How many?
☐ Cargo _____ lbs
☐ Mail

Type of Commercial Operating Certificate Held

(Check all that apply)

- ☒ None
☐ Flag Carrier Operating Certificate (121)
☐ Supplemental
☐ Air Cargo
☐ Foreign Air Carriers (129)
☐ Commuter Air Carrier (135)
☐ On-Demand Air Taxi (135)
☐ Large Helicopter (127)
☐ Rotorcraft External Load (133)
 - or -
☐ Agricultural Aircraft (137)
☐ Other Operator of Large Aircraft

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

Aircraft Registration Number _____

Manufacturer: NA

Model: _____

Damage to Other Aircraft

- ☐ Destroyed ☐ Minor
☐ Substantial ☐ None

Registered Owner of Other Aircraft

First Name: _____

Middle Initial: _____

Last Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

Pilot of Other Aircraft

First Name: _____

Middle Initial: _____

Last Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

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

Was there Mechanical Malfunction/Failure? ☐ Yes ☒ No ☐ Unknown
 (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

DAMAGE TO AIRCRAFT AND OTHER PROPERTY**Aircraft Damage**

- ☐ None ☒ Substantial
☐ Minor ☐ Destroyed

Aircraft Fire

- ☒ None ☐ Both Ground and In-Flight
☐ In-Flight ☐ Unknown Origin
☐ On-Ground

Aircraft Explosion

- ☒ None ☐ Both Ground and In-Flight
☐ In-Flight ☐ Unknown Origin
☐ On-Ground

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

MAIN ROTOR
LEFT WINDSHIELD
LANDING SKIDS
ROTOR MAST
BENT SKIN, TUBING AND FUEL VALVE

AIRPORT INFORMATION (If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)

Airport Identifier: _____ Distance From Airport Center: _____ SM
 Airport Name: NA Direction From Airport: _____ degrees MAG
 Proximity to Airport ☐ Off Airport/Airstrip ☐ On Airport ☐ On Airstrip Airport Elevation: _____ ft. MSL
 Approach Segment (Select one)
☐ On Instrument Approach ☐ Landing ☐ Base leg ☐ Final ☐ Go Around
☐ Crosswind ☐ Downwind ☐ Low Approach ☐ Aborted Landing (after touchdown)

IFR Approach (Check all that apply)

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

VFR Approach (Check all that apply)

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

Runway Information

Runway ID: _____ (L/R/C) Length: _____ ft Width: _____ ft

Runway/Landing Surface (Check all that apply)

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

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

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

FLIGHT ITINERARY INFORMATION

Last Departure Point Airport ID: _____ City: _____ State: _____ Country: _____	Time of Departure Time: _____ Time Zone: _____	Destination Airport ID: <u>LOCAL</u> City: _____ State: _____ Country: _____	Type Flight Plan Filed ☒ None ☐ VFR/IFR ☐ Company VFR ☐ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☐ Yes ☐ No
---	---	---	--

Type of ATC Clearance/Service (Check all that apply)

☒ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise
☐ VFR ☐ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA

Airspace where the accident/incident occurred (Check all that apply)

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

Aircraft Load Description (Check all that apply)

☒ None ☐ Towing Glider ☐ Parachutists ☐ Livestock
☐ Passengers NA ☐ Towing Banner ☐ Water ☐ Unknown
☐ Cargo ☐ Other External ☐ Chemical/Fertilizer/Seeds

FUEL & SERVICES INFORMATION

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

APPT 100 LBS Gallons

Fuel Type

☐ 80/87 ☐ 115/145 ☐ JP3 ☐ Other, specify _____
☒ 100 Low Lead ☐ Jet A ☐ JP4
☐ 100/130 ☐ Automotive ☐ JP5

Other Services, if Any, Prior to Departure

EVACUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? ☐ Yes ☒ No

Method of Exit – Describe how the occupants exited and how many occupants evacuated each location

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Weather Observation Facility Facility ID: _____ Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ NM Direction from Accident Site: _____ degrees MAG		Source of Weather Information <i>(Check all that apply)</i> ☐ National Weather Service ☐ Flight Service Station ☐ TV/Radio ☐ Automated Report ☐ Commercial Weather Service (DUATS) ☐ Company ☐ Military ☐ Internet ☐ Unknown		Method of Briefing <i>(Check all that apply)</i> ☐ In Person ☐ Teletype ☐ Telephone/Computer ☐ Aircraft Radio ☐ TV/Radio ☐ Unknown
Briefing Type/Completeness ☐ Full ☐ Partial / Limited By Pilot ☐ Partial / Limited By Briefer ☐ Abbreviated ☐ Unknown ☐ Not Pertinent		Light Condition ☐ Dawn ☐ Day ☒ Dusk ☐ Night ☐ Dark Night ☐ Bright Night ☐ Not Reported		Visibility <u>10</u> miles
Sky/Lowest Cloud Condition ☒ Clear ☐ Few ☐ Partial Obscuration ☐ Scattered ☐ Thin Broken ☐ Thin Overcast ☐ Unknown		Ceiling ☒ None (clear) ☐ Broken ☐ Overcast ☐ Obscured ☐ Indefinite ☐ Unknown		Restriction to Visibility <i>(Check all that apply)</i> ☐ None ☐ Blowing Dust ☐ Blowing Sand ☐ Blowing Snow ☐ Blowing Spray ☐ Dust ☐ Fog ☐ Ground Fog ☐ Haze ☐ Ice Fog ☐ Smoke ☐ Unknown
Lowest Cloud Condition Height _____ ft AGL		Ceiling Height _____ ft AGL		
Wind Direction ☐ Indicated: _____ degrees MAG ☒ Variable	Wind Speed Velocity: _____ KTS -or- ☐ Calm ☒ Light and Variable	Wind Gusts Velocity: _____ KTS ☐ Gusting ☐ Not Gusting	Type of Turbulence <i>(Check all that apply)</i> ☒ None ☐ Clear Air ☐ In Clouds ☐ Vicinity of Thunderstorm Severity of Turbulence ☐ Extreme ☐ Severe ☐ Moderate ☐ Moderate Chop ☐ Light	
NOTAMS (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident NA				
Temperature: _____ (C) or _____ (F) Altimeter Setting: _____ in. HG or _____ MB Density Altitude: _____ ft Dew Point: _____ (C) or _____ (F)		Icing Forecast Amount ☐ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe Type ☐ Rime ☐ Clear ☐ Mixed Icing Actual Amount ☐ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe Type ☐ Rime ☐ Clear ☐ Mixed		Type of Precipitation <i>(Check all that apply)</i> ☐ None ☐ Rain ☐ Snow ☐ Hail ☐ Rain Showers ☐ Freezing Rain ☐ Snow Shower ☐ Drizzle ☐ Ice Pellets ☐ Snow Pellets ☐ Snow Grains ☐ Ice Crystals ☐ Ice Pellets Shower ☐ Freezing Drizzle Intensity of Precipitation ☐ Light ☐ Moderate ☐ Heavy

PILOT "A" INFORMATION**Pilot "A" Responsibilities at the Time of Accident/Incident**
☒ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew
Pilot "A" Identification

First Name: LEE City: MENARD
 Middle Initial: R State: TX ZIP: 76859
 Last Name: CALLAN Country: USA
 Age at time of Accident/Incident: 59 Date of Birth: Certificate Number:
mm/dd/yyyy

Degree of Injury ☒ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious	Seat Occupied ☐ Left ☒ Front ☐ Unknown ☒ Right ☐ Rear ☐ Center ☐ Single	Seat Belt Used ☒ Yes ☐ No Available ☐ Yes ☐ No	Shoulder Harness Used ☒ Yes ☐ No Available ☐ Yes ☐ No
---	--	--	---

Pilot Certificate(s) (Check all that apply)
☐ None ☐ Student ☐ Recreational ☒ Commercial ☐ Flight Engineer ☐ Foreign
☒ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military

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 ☒ With limitations/waivers ☐ Unknown	Date of Last Medical <u>8-21-12</u> mm/dd/yyyy
--	--	---	--

Medical Certificate Limitations

GLASSES FOR NEAR VISION

Medical Certificate Waivers

NA

**Date of Last Flight Review
 or Equivalent, Including
 FAR 121/135 Checks:**
2-18-12
mm/dd/yyyy
Flight Review Aircraft
 Make: PA-18-150 SUPER CUB
 Model:

Airplane Rating(s) (Check all that apply) ☐ None ☒ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea	Other Aircraft Rating(s) (Check all that apply) ☐ None ☐ Airship ☐ Free Balloon ☐ Glider ☐ Gyroplane ☒ Helicopter ☐ Powered Lift	Instrument Rating(s) (Check all that apply) ☐ None ☒ Airplane ☐ Helicopter ☐ Powered Lift	Instructor Rating(s) (Check all that apply) ☐ None ☐ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport
---	---	--	--

Type Ratings

NA

Student Endorsements (Include dates)

APP

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	6015	171.8								
Pilot in Command (PIC)	6015	131.8								
Time as Instructor	0									
This Make/Model										
Last 90 Days		58.9								
Last 30 Days		20.2								
Last 24 Hours		5								

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 time and point of departure, intended destination, and services obtained.

AT APPROXIMATELY 5:45 PM ON 1-2-13 I WAS FLYING WEST ALONGSIDE HWY 190 5 MILES WEST OF MENARD AT 250^{FT} AGL. THERE WAS A LOUD NOISE AND I SAW SOMETHING BLACK GO BY THE LEFT SIDE OF MY HELICOPTER. ^{PART OF THE LEFT SIDE WINDSHIELD WAS BROKEN OUT.} WITH THE TAIL ROTOR BEING ON THE LEFT SIDE OF THE SHIP I WAS CONCERNED ABOUT IT BEING DAMAGED AND WENT INTO A EMERGENCY LANDING. I LID OVER ON TOP OF HWY. 190 AND STARTED DESCENDING AND SLOWING DOWN. THE SUN WAS AT MY 12:00 POSITION AND LOW, I WAS LOOKING IN THE SUN. THERE WERE SEVERAL POWER LINES THAT I DID NOT SEE AND I STRUCK ONE OF THEM. I DID A STATION ON RUN ON LANDING AND STOPPED APP 75 FT COMING TO A STOP FACING FORWARD. THE REASON FOR LANDING ON THE HWY WAS THERE WERE LOTS OF TREES AND BUSH ON BOTH SIDES OF HWY 190 AND MY THOUGHT WAS TO JUST LAND AND CHECK FOR MORE DAMAGE TO THE SHIP. IT WAS TIME TO BE ON THE GROUND RIGHT NOW!

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

Operator/Owner Safety Recommendation

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**Date of this Report**1-9-2013

mm/dd/yyyy

Signature and Name of Pilot/Operator

Signature: _____

Type or Print Name: LEE CALLAN**Signature and Name of Person Filing Report if Other than Pilot/Operator**

Signature: _____

Type or Print Name: _____

Title: _____

FOR NTSB USE ONLY**NTSB Accident/Incident No.**

CEN13CA124

Reviewed by NTSB Regional Office

Denver, Colorado

Name of Investigator

Jennifer S. Rodi

Date Report Received

01/09/2013