



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	LACON, IL	<b>Accident Number:</b>	CHI84LA101
<b>Date &amp; Time:</b>	02/01/1984, 1630 CST	<b>Registration:</b>	N91469
<b>Aircraft:</b>	PIPER PA38-112	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None

**Flight Conducted Under:** Part 91: General Aviation - Ferry

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## Analysis

THE PLT WAS FERRYING THE ACFT TO THE LACON ARPT FOR WINTER STORAGE. ON FINAL APCH SHE TOUCHED DOWN SHORT & STRUCK A SNOW BANK ON THE APCH END OF THE RWY. THE PLT STATED THAT DIFFICULTY IN DEPTH PERCEPTION DUE TO THE SNOW COVERED TERRAIN RESULTED IN TOUCHDOWN SHORT OF THE RWY & COLLISION WITH A SNOWBANK. THE PLT ALSO ATTRIBUTED LACK OF RECENT EXPERIENCE IN MAKE & MODEL IN CONTRIBUTING TO THE ACCIDENT.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

## Findings

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Occurrence #1: UNDERSHOOT

Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (F) TERRAIN CONDITION - SNOW COVERED
2. (C) PROPER TOUCHDOWN POINT - MISJUDGED - PILOT IN COMMAND

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Occurrence #2: HARD LANDING

Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

3. (C) GO-AROUND - DISREGARDED - PILOT IN COMMAND
4. (F) LACK OF EXPERIENCE - PILOT IN COMMAND

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Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

5. TERRAIN CONDITION - SNOWBANK

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	18, Female
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	05/23/1983
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	93 hours (Total, all aircraft), 24 hours (Total, this make and model), 49 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N91469
<b>Model/Series:</b>	PA38-112 PA38-112	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	38-82A0038
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	10/10/1983, Annual	<b>Certified Max Gross Wt.:</b>	1670 lbs
<b>Time Since Last Inspection:</b>	95 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	595 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-235-L2C
<b>Registered Owner:</b>	MEAD RAYMOND CORP.	<b>Rated Power:</b>	112 hp
<b>Operator:</b>	MEAD RAYMOND CORP.	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PIA, 660 ft msl	Distance from Accident Site:	25 Nautical Miles
Observation Time:	1550 CST	Direction from Accident Site:	30°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	12 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	7° C / 2° C
Precipitation and Obscuration:			
Departure Point:	PEORIA, IL (PIA)	Type of Flight Plan Filed:	None
Destination:	LACON, IL (C75)	Type of Clearance:	None
Departure Time:	1610 CST	Type of Airspace:	Class G

## Airport Information

Airport:	LACON (C-75)	Runway Surface Type:	Asphalt
Airport Elevation:	554 ft	Runway Surface Condition:	Snow--dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	2200 ft / 50 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	EDWARD J MCAVOY	Report Date:	
Additional Participating Persons:	C. E DOUGAN, SR.; SPRINGFIELD, IL R. E ATKINS; SPRINGFIELD, IL		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).