



# National Transportation Safety Board Aviation Accident Factual Report

<b>Location:</b>	Navajo Dam, NM	<b>Accident Number:</b>	FTW02LA170
<b>Date &amp; Time:</b>	06/01/2002, 1940 MDT	<b>Registration:</b>	N364SR
<b>Aircraft:</b>	Cessna 172E	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b> Part 91: General Aviation - Instructional			

On June 1, 2002, approximately 1940 mountain daylight time, a Cessna 172E single-engine airplane, N364SR, was substantially damaged after it struck a tree while executing touch and go landings at the Navajo Dam Airport, Navajo State Park, New Mexico. The student pilot, sole occupant and registered owner of the airplane, was not injured. Visual meteorological conditions prevailed, and a flight plan was not filed for the 14 Code of Federal Regulations Part 91 solo instructional flight. The flight departed the Four Corners Regional Airport, Farmington, New Mexico, at 1838.

According to the Pilot/Operator Aircraft Accident Report (NTSB Form 6120.1/2), the pilot stated that he was performing touch and go landings to runway 24. After the second touch and go landing, the pilot increased engine power to depart. The pilot initiated a slight right turn to avoid striking a bird, and at that time, a wind gust pushed the airplane to the right. The pilot reduced engine power, aborted the takeoff, and the airplane veered off the right side of the runway. Subsequently, the right wing struck a tree, the airplane pivoted around the tree, and then the left wing contacted the ground. The outboard 3 feet section of the left wing was structurally damaged. The pilot stated the wind was from the west-southwest and gusting.

## Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	46, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<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 3 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	08/02/2001
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	256 hours (Total, all aircraft), 132 hours (Total, this make and model), 256 hours (Pilot In Command, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N364SR
Model/Series:	172E	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	17251558
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	12/26/2001, Annual	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	31.6 Hours	Engines:	1 Reciprocating
Airframe Total Time:	4055.7 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-360-A1A
Registered Owner:	On file	Rated Power:	180 hp
Operator:	On file	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 10000 ft agl	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	29° C
Precipitation and Obscuration:			
Departure Point:	FARMINGTON, NM (FMN)	Type of Flight Plan Filed:	None
Destination:	NAVAJO DAM, NM (1V0)	Type of Clearance:	None
Departure Time:	1838 MDT	Type of Airspace:	Class E

## Airport Information

Airport:	NAVAJO STATE PARK (1V0)	Runway Surface Type:	Asphalt
Airport Elevation:	6475 ft	Runway Surface Condition:	Dry
Runway Used:	24	IFR Approach:	None
Runway Length/Width:	4995 ft / 60 ft	VFR Approach/Landing:	Touch and Go

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	36.813889, -107.652500

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Aaron M Sauer
<b>Additional Participating Persons:</b>	Michael Hartz; Federal Aviation Administration; Albuquerque, NM
<b>Investigation Docket:</b>	NTSB accident and incident docket 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> .