



National Transportation Safety Board Aviation Accident Factual Report

Location:	Arkansas City, KS	Accident Number:	DEN07CA001
Date & Time:	10/01/2006, 0830 CDT	Registration:	N5950X
Aircraft:	Brantly Helicopter B-2	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

According to the pilot, during the attempted takeoff, he raised the collective and the helicopter "became light on its skids." The pilot verified the wind conditions based his observation with nearby trees. The wind was observed to be "light" and from the south-southwest direction. The pilot initiated a turn into the direction of the wind, and prior to transational lift, the rotor RPM dropped. The pilot attempted to recover the drop in rotor RPM by lowering the collective. The helicopter skids touched the terrain, and the helicopter rolled over on it's right side. The pilot stated, "I believe I got a wind gust that contributed to the low [rotor] RPM."

Pilot Information

Certificate:	Private	Age:	59, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):		Toxicology Performed:	
Medical Certification:	Class 3	Last FAA Medical Exam:	08/01/2006
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1575 hours (Total, all aircraft), 275 hours (Total, this make and model), 20 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Brantly Helicopter	Registration:	N5950X
Model/Series:	B-2	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	89
Landing Gear Type:	Skid	Seats:	
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	VO-360-A1B
Registered Owner:	John W. Read	Rated Power:	
Operator:	John W. Read	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:		Visibility	
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	Arkansas City, KS	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	CDT	Type of Airspace:	

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	2 Minor	Latitude, Longitude:	37.066667, -96.916667

Administrative Information

Investigator In Charge (IIC): Aaron M Sauer

Additional Participating Persons:

Note: This accident report documents the factual circumstances of this accident as described to the NTSB.

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 pubinquiry@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.