



# Aviation Investigation Final Report

<b>Location:</b>	BEAUMONT, Texas	<b>Accident Number:</b>	FTW86LA043
<b>Date &amp; Time:</b>	March 17, 1986, 19:15 Local	<b>Registration:</b>	N2275B
<b>Aircraft:</b>	BELL 47G	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Ferry		

## Analysis

THE PILOT WAS TAKING OFF FROM AN AREA WHICH WAS PROTECTED FROM THE WIND BY A LARGE BUILDING. AFTER OBTAINING TRANSLATIONAL LIFT AND CLIMBING ABOVE THE BUILDING, A RIGHT QUARTERING TAIL WIND, WITH GUSTS TO 20 KNOTS, WAS ENCOUNTERED. THE PILOT STATED HE LOST TRANSLATIONAL LIFT AND HIS ROTOR RPM DECAYED. THE HELICOPTER DESCENDED AND UPON TOUCHDOWN THE FRONT TOE OF THE RIGHT SKID SUNK INTO THE SOFT SOIL AND HELICOPTER ROLLED ONTO ITS RIGHT SIDE.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: DESCENT - EMERGENCY

#### Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
  2. (C) ROTOR RPM - NOT MAINTAINED - PILOT IN COMMAND
  3. WEATHER CONDITION - GUSTS
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

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Occurrence #3: ROLL OVER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) TERRAIN CONDITION - SOFT

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	36, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical—no waivers/lim.	<b>Last FAA Medical Exam:</b>	October 30, 1985
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	598 hours (Total, all aircraft), 4 hours (Total, this make and model), 442 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BELL	<b>Registration:</b>	N2275B
<b>Model/Series:</b>	47G 47G	<b>Aircraft Category:</b>	Helicopter
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	1176
<b>Landing Gear Type:</b>	Skid	<b>Seats:</b>	3
<b>Date/Type of Last Inspection:</b>	June 20, 1985 Annual	<b>Certified Max Gross Wt.:</b>	2550 lbs
<b>Time Since Last Inspection:</b>	11 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	5209 Hrs	<b>Engine Manufacturer:</b>	FRANKLIN
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	6VS335A
<b>Registered Owner:</b>	KEVIN C. TASSIN	<b>Rated Power:</b>	220 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Dusk
<b>Observation Facility, Elevation:</b>	BPT ,16 ft msl	<b>Distance from Accident Site:</b>	15 Nautical Miles
<b>Observation Time:</b>	18:52 Local	<b>Direction from Accident Site:</b>	135°
<b>Lowest Cloud Condition:</b>	Scattered / 1400 ft AGL	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Overcast / 3200 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	12 knots / 20 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	120°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	20°C / 17°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	BEAUMONT , TX (BMT )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	JENNINGS , LA (37R )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	19:12 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	BEAUMONT MUNI BMT	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	31 ft msl	<b>Runway Surface Condition:</b>	Soft;Wet
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	29.900232,-94.160614(est)

## Administrative Information

**Investigator In Charge (IIC):** Johnson, J

**Additional Participating Persons:** MICHAEL BATTIE; HOUSTON , TX

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=21999>

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