



# National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Cotulla, TX	<b>Accident Number:</b>	CEN20CA090
<b>Date &amp; Time:</b>	02/18/2020, 0820 CST	<b>Registration:</b>	N10786
<b>Aircraft:</b>	Robinson R22	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Dynamic rollover	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Aerial Observation		

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The commercial pilot was attempting to takeoff from a trailer in a helicopter to conduct an aerial survey. During the lift off from the trailer, the helicopter rolled right and impacted the ground. A post accident inspection revealed that the right skid tie-down to the trailer had not been removed prior to the takeoff attempt. The pilot reported that there were no mechanical malfunctions or anomalies that would have precluded normal operation.

## Pilot Information

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<b>Certificate:</b>	Commercial	<b>Age:</b>	45, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	
<b>Medical Certification:</b>	Class 2 With Waivers/Limitations	<b>Last FAA Medical Exam:</b>	05/28/2019
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	08/26/2019
<b>Flight Time:</b>	(Estimated)		

## Aircraft and Owner/Operator Information

Aircraft Make:	Robinson	Registration:	N10786
Model/Series:	R22 UNDESIGNAT	Aircraft Category:	Helicopter
Year of Manufacture:	1993	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	2267
Landing Gear Type:	Skid;	Seats:	2
Date/Type of Last Inspection:	06/10/2019, Annual	Certified Max Gross Wt.:	1369 lbs
Time Since Last Inspection:	6.4 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1567.4 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Not installed	Engine Model/Series:	O-320-B2C
Registered Owner:	On file	Rated Power:	160 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:	1253 UTC	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	3 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	100°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.87 inches Hg	Temperature/Dew Point:	20° C / 19° C
Precipitation and Obscuration:	Moderate - Mist; No Obscuration; No Precipitation		
Departure Point:	Cotulla, TX	Type of Flight Plan Filed:	None
Destination:	Cotulla, TX	Type of Clearance:	None
Departure Time:	CST	Type of Airspace:	Class G

## 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:	28.458056, -99.220000 (est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	David S Williams
<b>Additional Participating Persons:</b>	Victor H Lopez; FAA; San Antonio, TX
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100957">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100957</a>