



Aviation Investigation Final Report

Location:	KAHOKA, Missouri	Accident Number:	CHI93LA261
Date & Time:	July 9, 1993, 20:30 Local	Registration:	N18RB
Aircraft:	BEECH F33A	Aircraft Damage:	Substantial
Defining Event:		Injuries:	5 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT COMMENCED TAKEOFF FROM A SOFT SOD STRIP. THE AIRPLANE LIFTED OFF, THEN TOUCHED DOWN, LOSING SPEED. THE PILOT ASSESSED THERE WAS INSUFFICIENT RUNWAY TO ABORT, FLEW THE AIRPLANE BEYOND A ROAD AT THE END OF THE RUNWAY AND SETTLED INTO A CULTIVATED FIELD.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S PREMATURE LIFTOFF. THE SOFT RUNWAY CONDITION WAS A FACTOR.

Findings

Occurrence #1: OVERRUN
Phase of Operation: TAKEOFF - INITIAL CLIMB

- Findings
1. AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - SOFT
 2. (C) LIFT-OFF - PREMATURE - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF

Findings

3. TERRAIN CONDITION - SOFT

Factual Information

Pilot Information

Certificate:	Private	Age:	46, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	May 23, 1993
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	645 hours (Total, all aircraft), 400 hours (Total, this make and model), 566 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N18RB
Model/Series:	F33A F33A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	CE-461
Landing Gear Type:	Retractable - Tricycle	Seats:	5
Date/Type of Last Inspection:	November 23, 1992 Annual	Certified Max Gross Wt.:	3400 lbs
Time Since Last Inspection:	125 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3309 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-520-BA10B
Registered Owner:	JOHN E. HELBING	Rated Power:	285 Horsepower
Operator:	JOHN E. HELBING	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Dusk
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Unknown / 6000 ft AGL	Visibility	15 miles
Lowest Ceiling:	Overcast / 6000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	27°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(M005)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	20:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	KAHOKA MUNICIPAL M005	Runway Surface Type:	Grass/turf
Airport Elevation:	700 ft msl	Runway Surface Condition:	Soft;Wet
Runway Used:	1	IFR Approach:	None
Runway Length/Width:	2650 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	4 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	5 None	Latitude, Longitude:	40.419769,-91.709999(est)

Administrative Information

Investigator In Charge (IIC):	Vallaster, J
Additional Participating Persons:	TIMOTHY D MOON; ST. LOUIS , MO
Original Publish Date:	February 10, 1994
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=15760

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