



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Bridgeport, TX	<b>Accident Number:</b>	CEN13CA389
<b>Date &amp; Time:</b>	07/02/2013, 1114 CDT	<b>Registration:</b>	N8585M
<b>Aircraft:</b>	BEECH P35	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Fuel starvation	<b>Injuries:</b>	2 Minor
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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## Analysis

The pilot and flight instructor were making touch-and-go landings when the engine lost power. Unable to glide to the runway, they made a forced landing in an open field. During the forced landing, the landing gear was sheared off and the firewall was buckled. The student sustained a serious injury and the flight instructor received minor injuries. A Federal Aviation Administration inspector examined the airplane and reported the fuel selector was positioned on the left fuel tank. When electrical power was applied, the left fuel gauge registered empty. No fuel was observed in the left fuel tank. The right fuel tank had not been compromised and contained fuel.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The failure of both the flight instructor and the pilot to monitor and manage the fuel on board, which resulted in an engine failure due to fuel starvation.

## Findings

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<b>Aircraft</b>	Fuel - Fluid management (Cause)
<b>Personnel issues</b>	Forgotten action/omission - Pilot (Cause)
	Forgotten action/omission - Instructor/check pilot (Cause)

## Factual Information

### History of Flight

Maneuvering	Fuel starvation (Defining event)
Emergency descent	Off-field or emergency landing
Landing-landing roll	Collision with terr/obj (non-CFIT)

### Flight Instructor Information

Certificate:	Commercial; Private	Age:	51, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Without Waivers/Limitations	Last Medical Exam:	06/07/2012
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	5000 hours (Total, all aircraft), 40 hours (Total, this make and model)		

### Pilot Information

Certificate:	Private	Age:	45, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	08/30/2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	170 hours (Total, all aircraft), 3 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

Aircraft Manufacturer:	BEECH	Registration:	N8585M
Model/Series:	P35	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	D-7207
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	08/06/2012, Annual	Certified Max Gross Wt.:	3125 lbs
Time Since Last Inspection:	43 Hours	Engines:	1 Reciprocating
Airframe Total Time:	3711 Hours	Engine Manufacturer:	Continental
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-470-N
Registered Owner:	Michael E. R Read	Rated Power:	260 hp
Operator:	Michael E. R Read	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KXBP, 852 ft msl	Observation Time:	1135 CDT
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	28°C / 7°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	6 knots, 40°	Visibility (RVR):	
Altimeter Setting:	30.15 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	Bridgeport, TX (KXBP)	Type of Flight Plan Filed:	None
Destination:	Bridgeport, TX (KXBP)	Type of Clearance:	None
Departure Time:	0900 CDT	Type of Airspace:	

## Airport Information

Airport:	Bridgeport Municipal Airport (KXBP)	Runway Surface Type:	Asphalt
Airport Elevation:	852 ft	Runway Surface Condition:	Dry
Runway Used:	35	IFR Approach:	None
Runway Length/Width:	4004 ft / 60 ft	VFR Approach/Landing:	Forced Landing; Touch and Go

## Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Arnold W Scott	<b>Adopted Date:</b>	08/13/2013
<b>Additional Participating Persons:</b>	Louis E Vargo; FAA Flight Standards District Office; Alliance, TX		
<b>Publish Date:</b>	03/04/2015		
<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=87368">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87368</a>		

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