



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	North Pole, AK	<b>Accident Number:</b>	ANC04LA034
<b>Date &amp; Time:</b>	03/05/2004, 1130 AST	<b>Registration:</b>	N515N
<b>Aircraft:</b>	Cessna 170A	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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On March 5, 2004, about 1130 Alaska daylight time, a ski-equipped Cessna 170A airplane, N515N, received substantial damage when it collided with a snowbank during an aborted takeoff from the Bradley Sky Ranch airstrip, North Pole, Alaska. The private pilot/airplane owner and the sole passenger were not injured. Visual meteorological conditions prevailed for the 14 CFR Part 91 personal flight, and no flight plan was filed. The flight was originating at the time of the accident, and the intended destination was a remote, off-airport site about 100 miles north of Fort Yukon, Alaska.

During a telephone conversation with the NTSB investigator-in-charge (IIC) on March 5, at 1430, the pilot related that he was departing on runway 33, which was snow covered and 3,400 feet long. He described the snow on the airstrip as "soft and sticky." He said the airplane didn't seem to accelerate as quickly as it normally did, which he attributed to the snow condition. The airplane continued to accelerate slowly, lifted off, and then settled onto the airstrip. The pilot said the airplane did this two more times, before he reduced the engine power and aborted the takeoff. The airplane subsequently ran off the end of the runway and hit a snowbank, sustaining structural damage to the right wing, main landing gear gear box, right horizontal stabilizer, and left wing lift strut.

The pilot wrote in his report to the NTSB that the accident could have been prevented "by aborting the takeoff in a timely manner."

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	62, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	08/07/2003
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1114 hours (Total, all aircraft), 815 hours (Total, this make and model), 30 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N515N
<b>Model/Series:</b>	170A	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	19987
<b>Landing Gear Type:</b>	Ski; Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	09/14/2003, Annual	<b>Certified Max Gross Wt.:</b>	2250 lbs
<b>Time Since Last Inspection:</b>	276 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	4910 Hours as of last inspection	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>		<b>Engine Model/Series:</b>	O-300A
<b>Registered Owner:</b>	Richard A. Hayden	<b>Rated Power:</b>	145 hp
<b>Operator:</b>	Richard A. Hayden	<b>Operating Certificate(s) Held:</b>	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:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-23°C
Precipitation and Obscuration:			
Departure Point:	North Pole, AK	Type of Flight Plan Filed:	None
Destination:	Fort Yukon, AK	Type of Clearance:	None
Departure Time:	AST	Type of Airspace:	Class E

## Airport Information

Airport:	Bradley Sky Ranch (95Z)	Runway Surface Type:	Gravel
Airport Elevation:	483 ft	Runway Surface Condition:	Snow--dry
Runway Used:	33	IFR Approach:	None
Runway Length/Width:	3400 ft / 80 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	64.759167, -147.387778

## Administrative Information

Investigator In Charge (IIC):	James D La Belle
Additional Participating Persons:	Blayne Camp; FAA, Fairbanks FSDO; Fairbank, AK
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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .