# NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT REPORT This Form To Be Used For Reporting Civil Aircraft Accidents Involving Commercial and General Aviation Aircraft

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Classic Helicopter Service							, —			r055, U		84087	-	<del></del>
Operator Of Aircraft  1. M Same As Registered Owner  2. Name  3. DBS:						Address  1. Same As Registered Owner  2.								

Owner/Operator Informa	tion (cont.				ra (d. 1			- :				
Operator (Certificate Num	ber) O	perator Des	ignator (4 Lett	er Designato	or)		-					
JAPA 115F		JAPA										
Purpose Of Flight And Ty	pe Of Oper	ration fe	erry hom	e after	charter	F	art 91					
1. XFAR 91 (only) 2. FAR 91D	gulation Flight Conductor Under         ✓           YFAR 91 (only)         4.			Ope FAR 35 1 37 2 3 FAR 4.22 5	Operator Authority  FAR 121  1. □ Domestic  2. □ Flag  3. □ Supplemental  FAR 135  4. ⊠On Demand  5. □ Commuter			External Load		127, 129, 135 rations ed eduled conal		
Pilot Information	Pilot Information							** 1 *				
Pilot Name Michael L. De	ster	Pilot Co	ertificate No.		Address Salt		Box 162 Trty, UT		Mation U.S	ality		
Certificate(s)  1. Student 2. Private		nmercial ine Transpo		Flight Instru Flight Engin		☐ Militan	•	9. None  9. Specify _				
Rating(s)  1. □ None  2. ☑ Single Engine Land (Arrate)  3. □ Single Engine Sea  4. □ Multiengine Land  9. □ Airship					Instrument Rating(s)							
5. Multiengine Sea 10. Gyroplane 5. Glider  Type Ratings/Student Endorsements Date Of Biennial Flight Review BFR Aircraft												
Or Equivalent (M/D/Y)  1. Make <u>Bell 206 Series</u> 03-10-94  2. Model <u>206 B. L.</u>												
Medical Certificate		Date Of La	st Medical	Limitatio	ins .				Date Of Birt	h (M/D/Y)		
1. ☐ None 3. 📆	Class 2	(M/D/Y) 06/0		Waivers	Waivers None							
2. ☐ Class 1					Person At Controls At Time Of Accident  1. ☑ Pilot In Command 3. ☐ Both Pilots 5. ☐ No One  2. ☐ Second Pilot 4. ☐ Non-Pilot 2. ☐ No							
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Second Pilot Information None Second Pilot Responsibilities At The Time Of Accident N/1  1. Co-Pilot 2. Dual Student 3. Safety Pilot 4. Check Pilot 5. None (Pilot-Rated Passenger)												
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Additional Flight Crew M	lembers				
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Jo May 1995	Signatur	Of Pilot/Operator	<u>t.                                    </u>	
Signature Of Person Filing Re	port Other Than Pile	ot/Operator		
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NTSB Accident No.	Reviewed By NTSE		Name Of Investigator	Date Report Received
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Michael L. Doster 2244 S. 1640 W. Woods Cross, UT 84087 phone: (801) 295-5700 fax: (801) 295-5795

1 May 1995

Attention: Mr. Jim Kirby Federal Aviation Administration Flight Standards District Office 116 N. 2400 W. Salt Lake City, Utah 84116

Re: Statement, Aircraft Accident, N206AH on 23 April 1995

## STATEMENT

On April 18, 1995 I accepted a charter flight to fly two personnel from Bountiful/Sky Park Airport to White Pine Peak, which is approximately 10 nautical miles west north west of Richfield, Utah. The flight in N206AH, a Bell 206L-1/C30P departed Bountiful at 1355 hours MDT and arrived in the White Pine Peak area at approximately 1430. Weather conditions were forecast to be VFR with some mountain top obscuration due to clouds. Snow deflectors were not installed prior to this flight as conditions in the local flying area had not warranted their installation. As we approached the peak, for approximately 15 miles we could observe the entire mountain as being in the clear. I made two attempts to land, resulting in aborted landings due to white-out conditions from blowing powder snow and grey sky in the background. We landed at 1600 hours MDT at a lower elevation where the summit could be watched for improving weather conditions. The engine inlet area was also inspected for accumulations of snow or ice on the front surface of the particle separator. None was found. At 1620 hours MDT a large area of clearing moved into the vicinity allowing us to take off and approach the summit. A normal landing was made and the aircraft was shut down on the summit of White Pine Peak next to the radio buildings and towers, at an elevation of 10,225'. next 30 to 40 minutes all three of us were occupied with digging/shoveling snow near the entrance to the building that my two passengers needed to enter. My intention was fly the aircraft back to the Richfield airport as soon as my two passengers were safely inside the building, and wait for their work to be completed before returning to pick them up. Prior to getting inside the

# Page 2

building, we noticed deteriorating weather conditions, i.e. an approaching snow shower. I discussed with my passengers the prospect of departing while we still had acceptable visibility and cloud clearance. However conditions rapidly became unflyable, trapping us on top of the mountain for the night.

The next day, April 19, 1995 the three of us were able to get down off the mountain via snowmobiles. NZO6AH was tied-down and secured as best we could prior to our departure. No inlet pillows were available, so we stuffed coats and other soft goods into the engine inlets to keep snow from accumulating against the front of the particle separator. An electric heater was placed in the cabin area to keep ice and snow from building up on the aircraft fuselage.

Classic Helicopter Service was prepared to recover the aircraft left on White Pine Peak whenever weather conditions improved. A company helicopter was staged at the Richfield airport with a recovery crew for two days. However, weather conditions did not improve in the region until Sunday, April 23, 1995. That morning the mountain was reported as clear by persons in the Richfield/ Monroe area. A recovery team was assembled from available company employees in Salt Lake City and Page, Arizona. The two teams converged at the Salina-Gunnison Airport at around 1400 hours, flew up to White Pine Peak in N2233F, another company helicopter. A normal landing was made next to N2O6AH. Weather conditions at the time were: high broken clouds, visibility unlimited, temperature: The snow conditions were crusted over, with very little loose or powder snow. For about the next hour, all attention was focused on preparing N206AH for flight. The aircraft was relatively clear of snow and ice. A thorough preflight was conducted and all snow and ice accumulations in or on the aircraft were swept/scraped off, or melted with electric heaters. engine inlets had accumulations of drifted/blowing snow which were swept out, heaters were used to direct hot air onto the swirl tubes to melt any visible snow.

At approximately 1600 hours with one company employee on board, (Mr. John Henderson) the aircraft (N206AH) was started normally and run for about 15 minutes to warm the transmission and other dynamic components. The all-up weight of the aircraft at the time of departure was approximately 3186 lbs. After the other aircraft, N2233F took-off, I lifted to a hover, paused for a moment to check all instruments in the green before proceeding with a departure off the mountain. Take-off was accomplished into the wind, (SW) and a left hand turn back to the southeast was executed to return to Richfield. My intention was to land, shutdown and refuel at the Richfield airport in preparation for a return flight to Woods Cross, Utah.

# Page 3

Helicopter N2233F was flying loose trail at my 5 o'clock position, at the same altitude. About one mile away from the summit of White Pine Peak, after about 6-7 minutes of total flight time, the engine failed, indicated by a left yaw, low rotor rpm audio and engine out audio horn activating. I immediately and simultaneously entered autorotation, called "May Day" three times on VHF frequency 122.8, selected an area to land and began a 180° turn back towards the mountain, to land up slope and into the wind. Wind conditions were out of the west at 10 to 15 knots. In the turn I briefly attempted an air re-start, but realized that I did not have sufficient altitude to get the engine restarted. I noted that after several seconds of starter engagement, the TOT was increasing rapidly towards 875° C. I don't recall the N1. I released the starter button and concentrated on rotor RPM, trim, airspeed control in the turn and confirming the suitability of the landing site as we descended. The autorotation was normal and executed in accordance with acceptable training standards, rotor RPM was maintained in the high green throughout. However, at density altitude 9000'(+) the rate of descent and forward momentum were unable to be completely arrested prior to touch down. The landing was hard, resulting in ELT activation, downward flexing of the rotor blades and blade contact with R/H auxiliary vertical fin. After landing, all switches were shut off, battery disconnected, ELT disabled, the aircraft was secured. Myself and my passenger were picked up and Injuries to myself and passenger were flown out aboard N2233F. minor back pain. Visible damage to the aircraft included scoring on the underside of both M/R blades due to striking the R/H auxiliary vertical fin, and wrinkling of the tailboom.

END OF STATEMENT

Michael L. Doster

CF: AIG Aviation Insurance Services

# RECEIVED MAY 1 5 1995



May 1, 1995

Attention: Mr. Jim Kirby Federal Aviation Administration Flight Standard District Office 116 North 2400 West Salt Lake City, Utah 84116

Re: Statement, N206AH on 23 April 1995

# STATEMENT

On April 23, 1995 I, Jon Henderson departed the Richfield, Utah airport to help recover a snowed in helicopter (N206AH). I left the Richfield airport in helicopter N2233F with two other passengers and the pilot. We flew to White Pine Peak where N206AH was sitting. After shutting down N2233F we all commenced de-icing N206AH. We used ceramic heaters to de-ice the particle separator and engine compartment. I used a shovel to dig the skids out of the snow. The heaters were also used to melt snow and ice from various areas of the ship. Fuel was then drained and N206AH was fired up. Everything seemed to go quite smoothly. I was busy gathering extension cords and shovels for about 10 or 15 minutes while N206AH was running. N2233F was then started up and I proceeded to get in N206AH. The other helicopter (N2233F) lifted off and then we lifted off. We hovered about 10 to 15 feet off the ground for several seconds then started down the mountain. Suddenly I heard the warning horns going on and instantly I heard the pilot saying "MAY-DAY" over the radio. We started descending quite rapidly. We then started into a 180 degree turn back toward the mountain. We then landed pretty hard in a snow covered clearing on a slight slope. The pilot and I then got out of N206AH and looked around at the helicopter and N2233F landed close by. We then tied down N206AH and left the site in N2233F with the other pilot and passengers. We flew back to Richfield and shortly thereafter drove back to Woods Cross, Utah.





May 10, 1995

Attention: Mr. Jim Kirby Federal Aviation Administration Flight Standard District Office 116 North 2400 West Salt Lake City, Utah 84116

Re: Statement, N206AH Recovery on 23 April 1995

# STATEMENT

On April 23, 1995 I, Matthew J. Stein departed Page, AZ at approximately 1200 MDT in a Bell 206L-1/C30P (N2233F) enroute to Richfield. Utah to assist in the recovery of a Bell 206L-1/C30P (N206AH) which was on White Pine Peak, 9 nautical miles northwest of Richfield. After landing on White Fine Peak with myself and three others in N2233F we shut down and proceeded to remove all visible snow and ice from N206AH to include engine inlet (particle separator) engine and transmission compartments. Heat was applied by electric heaters to engine, fuel control, transmission and swirl tube inlets of the particle separator. Fuel was drained from the forward cells, aft cell and airframe fuel filter. The aircraft (N206AH) was started normally, from my position in front of the aircraft I noticed first snow and then water being ejected from the turbine exhaust during the start. The aircraft was ran on the ground for approximately 10 minutes with the engine de-ice on. Particle separator purge ports were checked and found to have positive mirflow. I then started my mircraft (N2233F) and departed first with one passenger then circled the peak to await the other I watched N206AH depart and turn to the south east towards Richfield. I followed behind approximately a half mile at same altitude when N206AH exhibited a white plume of smoke from the exhaust, I then heard the Pilot radio "MAY DAY" and I diroled his position as he autorotated. During his descent two smaller puffs of white smoke were visible. I saw the pilot execute an autorotative landing into the wind upslope at 8,500' MSL. landing appeared to be hard. This occurred at approximately 1600 hours on April 23, 1995. By the time I had landed at the forced landing site, the pilot and passenger were outside the aircraft walking and inspecting the ship. I returned to Richfield airport with three passengers and shortly thereafter returned to Page.

> Matthew J. Stein Commercial Pilot #569337399



May 10, 1995

Attention: Mr. Jim Kirby Federal Aviation Administration Flight Standard District Office 116 North 2400 West Salt Lake City. Utah 84116

Re: Statement, N206AH on April 23, 1995

## STATEMENT

On April 23, 1995 I, Alan R. Bailey drove from Salt Lake City, to Richfield to assist in the recovery of a Bell 206L-1/C30P (N206AH) which was weathered in on White Pine Peak. After landing on White Pine Peak Mike Doster, Jon Henderson, Matt Stein and myself proceeded to remove all snow, ice, covers and tie downs from the aircraft. We used heaters in the engine compartment and intake. The two pilots (Mike Doster and Matt Stein), did a thorough preflight and determined that the helicopter was flyable. Mike got in N206AH and started the aircraft. He run it on the ground for about 15 minutes. Jon Henderson then got in with Mike. Matt and I got in N2233F and started it and took off. Mike began to hover N206AH. We circled around and came in behind Mike. He took off and we followed directly behind him. About I to 2 minutes into the flight I saw a white plume of smoke come out of the exhaust. Mike began to call "MAY-DAY". He made a right hand turn back into the mountain in an autorotation. He made a hard landing and by the time we landed, both Mike and Jon were out and inspecting the helicopter. We returned to Richfield airport and drove back to Salt Lake City.

Alan R. Bailey