

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

(Amendment No. 2)

Under the Securities Exchange Act of 1934*

Aspen Technology, Inc.
(Name of Issuer)

Common Stock, par value \$0.10 per share
(Title of Class of Securities)

045327103
(CUSIP Number)

December 31, 2009
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Third Point LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* [] (a) (b) [X]	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 5,021,000
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 5,021,000
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 5,021,000	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* N/A	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.5%	
12	TYPE OF REPORTING PERSON OO	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Daniel S. Loeb	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* [] (a) (b) [X]	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 5,021,000
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 5,021,000
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 5,021,000	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* N/A	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.5%	
12	TYPE OF REPORTING PERSON IN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Third Point Offshore Master Fund, L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* [] (a) (b) [X]	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 3,700,900
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 3,700,900
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,700,900	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* N/A	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 4.0%	
12	TYPE OF REPORTING PERSON PN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Third Point Advisors II L.L.C.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [] (b) [X]	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 3,700,900
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 3,700,900
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,700,900	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* N/A	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 4.0%	
12	TYPE OF REPORTING PERSON OO	

This Amendment No. 2 to Schedule 13G (this "Amendment No. 2") is being filed with respect to the common stock, par value \$0.10 per share (the "Common Stock"), of Aspen Technology, Inc., a corporation formed under the laws of the State of Delaware (the "Company"), to amend the Schedule 13G filed on March 12, 2008 (as amended by Amendment No. 1 thereto filed on January 5, 2009 and this Amendment No. 2, the "Schedule 13G"). This Amendment No. 2 is being filed to report changes in the number of Common Stock beneficially owned by the Reporting Persons and to report that two of the joint filers of this Schedule 13G, the Offshore Master Fund and Advisors II, no longer beneficially own more than 5% of the Common Stock. Capitalized terms used herein and not otherwise defined have the meanings ascribed in the Schedule 13G.

Item 4: Ownership:

Item 4 is hereby amended and restated as follows:

The beneficial ownership of Common Stock by the Reporting Persons, as of the date hereof, is as follows:

A. Third Point LLC

(a) Amount beneficially owned: 5,021,000

(b) Percent of class: 5.5%. The percentages used herein and in the rest of this Schedule 13G are calculated based upon the 91,773,023 shares of Common Stock issued and outstanding as of February 2, 2010, as reported in the Company's Quarterly Report on Form 10-Q filed with the U.S. Securities and Exchange Commission (the "SEC") on February 9, 2010 for the quarterly period ended December 31, 2009.

(c) Number of shares as to which such person has:

- (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 5,021,000
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 5,021,000

B. Daniel S. Loeb

(a) Amount beneficially owned: 5,021,000

(b) Percent of class: 5.5%

- (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 5,021,000
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 5,021,000

C. Third Point Offshore Master Fund, L.P.

(a) Amount beneficially owned: 3,700,900

(b) Percent of class: 4.0%

(c) Number of shares as to which such person has:

- (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 3,700,900
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 3,700,900

D. Third Point Advisors II L.L.C.

(a) Amount beneficially owned: 3,700,900

(b) Percent of class: 4.0%

(c) Number of shares as to which such person has:

(i) Sole power to vote or direct the vote: -0-

(ii) Shared power to vote or direct the vote: 3,700,900

(iii) Sole power to dispose or direct the disposition: -0-

(iv) Shared power to dispose or direct the disposition: 3,700,900

Item 10: Certification:

Each of the Reporting Persons hereby makes the following certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

[Signatures on following page]

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 16, 2010

THIRD POINT LLC

By: Daniel S. Loeb, Chief Executive Officer

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

THIRD POINT OFFSHORE MASTER FUND, L.P.

By: Third Point Advisors II L.L.C.,
its general partner

By: Daniel S. Loeb, Managing Director

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

THIRD POINT ADVISORS II L.L.C.

By: Daniel S. Loeb, Managing Director

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

DANIEL S. LOEB

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

[SIGNATURE PAGE TO AMENDMENT NO. 2 TO SCHEDULE 13G
WITH RESPECT TO ASPEN TECHNOLOGY, INC.]

EXHIBIT INDEX

Exhibit 99.1: Joint Filing Agreement, dated as of February 16, 2010, by and among Third Point LLC, Daniel S. Loeb, Third Point Offshore Master Fund, L.P. and Third Point Advisors II L.L.C.

Exhibit 99.2: Power of Attorney granted by Daniel S. Loeb in favor of James P. Gallagher, William Song, Joshua L. Targoff and Bruce Wilson, dated January 5, 2009, was previously filed with the SEC on January 5, 2009 as an exhibit to Amendment No. 1 to Schedule 13G filed by Third Point LLC, Third Point Offshore Fund, Ltd., Third Point Offshore Master Fund, L.P., Third Point Advisors II L.L.C. and Daniel S. Loeb with respect to Aspen Technology, Inc. and is incorporated herein by reference.

**JOINT FILING AGREEMENT
PURSUANT TO RULE 13d-1(k)(1)**

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing agreements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that it knows or has reason to believe that such information is inaccurate. This Agreement may be executed in any number of counterparts and all of such counterparts taken together shall constitute one and the same instrument.

Dated: February 16, 2010

THIRD POINT LLC

By: Daniel S. Loeb, Chief Executive Officer

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

THIRD POINT OFFSHORE MASTER FUND, L.P.

By: Third Point Advisors II L.L.C.,
its general partner

By: Daniel S. Loeb, Managing Director

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

THIRD POINT ADVISORS II L.L.C.

By: Daniel S. Loeb, Managing Director

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact

DANIEL S. LOEB

By: /s/ William Song
Name: William Song
Title: Attorney-in-Fact