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# SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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## SCHEDULE 13G

Under the Securities Exchange Act of 1934

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### AXOGEN, INC.

(Name of Issuer)

Common Stock, par value \$0.01 per share  
(Title of Class of Securities)

05463X106

(CUSIP Number)

Martin P. Sutter

Essex Woodlands Fund IX, L.P.

21 Waterway Avenue, Suite 225

The Woodlands, Texas 77380

(281) 364-1555

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

August 26, 2015

(Date of Event which Requires Filing of this Statement)

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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 in 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 ("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).

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SCHEDULE 13G

CUSIP No. 05463X106

Page 2 of 15 Pages

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  Essex Woodlands Fund IX, L.P.
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
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  4,861,111
	6 SHARED VOTING POWER  -0-
	7 SOLE DISPOSITIVE POWER  4,861,111
	8 SHARED DISPOSITIVE POWER  -0-
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,861,111
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES  <input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  16.3%
12	TYPE OF REPORTING PERSON  PN

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  Essex Woodlands Fund IX-GP, L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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  4,861,111
	6	SHARED VOTING POWER  -0-
	7	SOLE DISPOSITIVE POWER  4,861,111
	8	SHARED DISPOSITIVE POWER  -0-
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  16.3%	
12	TYPE OF REPORTING PERSON  PN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  Essex Woodlands IX, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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  4,861,111
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  16.3%	
12	TYPE OF REPORTING PERSON  OO	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	Martin P. Sutter	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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
		4,861,111
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	<input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	16.3%	
12	TYPE OF REPORTING PERSON	
	IN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	R. Scott Barry	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	16.3%	
12	TYPE OF REPORTING PERSON	
	IN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	Ronald Eastman	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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-
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	16.3%	
12	TYPE OF REPORTING PERSON	
	IN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  Guido J. Neels	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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  4,861,111
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  16.3%	
12	TYPE OF REPORTING PERSON  IN	



1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	Petri Vainio	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	16.3%	
12	TYPE OF REPORTING PERSON	
	IN	

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	Steve Wiggins	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
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
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11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	16.3%	
12	TYPE OF REPORTING PERSON	
	IN	

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**ORIGINAL REPORT ON SCHEDULE 13G**

**Item 1.**

- (a) Name of Issuer: AXOGEN, INC.
- (b) Address of Issuer's Principal Executive Offices:  
13631 Progress Boulevard, Suite 400  
Alachua, Florida 32615

**Item 2.**

(a) Name of Person Filing: This Schedule 13G is being filed jointly by Essex Woodlands Fund IX, L.P., a Delaware limited partnership ("**Essex IX Fund**"), Essex Woodlands Fund IX-GP, L.P., a Delaware limited partnership (the "**Essex IX Fund GP**"), Essex Woodlands IX, LLC, a Delaware limited liability company ("**Essex IX General Partner**"), Martin P. Sutter, an individual, R. Scott Barry, an individual, Ronald Eastman, an individual, Guido J. Neels, an individual, Petri Vainio, an individual, and Steve Wiggins, an individual (each a "**Manager**", collectively, the "**Managers**", and together with the Essex IX Fund, Essex IX Fund GP and the Essex IX General Partner, the "**Reporting Persons**").

(b) Address of Principal Business Office: The address of the principal business of each of the Reporting Persons is 21 Waterway, Suite 225, The Woodlands, Texas 77380.

(c) Citizenship: (i) Essex Woodlands Fund IX, L.P. is a Delaware limited partnership; (ii) Essex Woodlands Fund IX-GP, L.P. is a Delaware limited partnership; (iii) Essex Woodlands IX, LLC is a Delaware limited liability company; (iv) Martin P. Sutter, R. Scott Barry, Ronald Eastman, Guido J. Neels, Petri Vainio and Steve Wiggins are all individuals who are citizens of the United States.

(d) Title and Class of Securities: Common Stock

(e) CUSIP Number: 05463X106

**Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a 8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);

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- (g)  A parent holding company or control person in accordance with §240.13d- 1(b)(1)(ii)(G);
  - (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
  - (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a 3);
  - (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership.**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned.

For each of Essex IX Fund, the Essex IX Fund GP and the Essex IX General Partner, 4,861,111 shares.

For each of the Managers, 4,861,111 shares.

(b) Percent of Class.

For each of Essex IX Fund, the Essex IX Fund GP and the Essex IX General Partner, 16.3%.

For each of the Managers, 16.3%.

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

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

For each of Essex IX Fund, the Essex IX Fund GP and the Essex IX General Partner, 4,861,111 shares.

(ii) Shared power to vote or to direct the vote:

For each of the Managers, 4,861,111 shares.

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

For each of Essex IX Fund, the Essex IX Fund GP and the Essex IX General Partner, 4,861,111 shares.

(iv) Shared power to dispose or to direct the disposition of:

For each of the Managers, 4,861,111 shares.

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**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

N/A

**Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company**

N/A

**Item 8. Identification and Classification of Members of the Group**

N/A

**Item 9. Notice of Dissolution of Group**

N/A

**Item 10. 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 the purpose or effect.

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**SIGNATURES**

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

Date: September 2, 2015

**ESSEX WOODLANDS FUND IX, L.P.**

By: Essex Woodlands Fund IX-GP, L.P.,  
Its General Partner

By: Essex Woodlands IX, LLC,  
Its General Partner

By:           /s/ Martin P. Sutter            
Name: Martin P. Sutter  
Title: Managing Director

**ESSEX WOODLANDS FUND IX-GP, L.P.**

By: Essex Woodlands IX, LLC,  
Its General Partner

By:           /s/ Martin P. Sutter            
Name: Martin P. Sutter  
Title: Managing Director

**ESSEX WOODLANDS IX, LLC**

          /s/ Martin P. Sutter            
Name: Martin P. Sutter  
Title: Managing Director

**INDIVIDUALS:**

          /s/ Martin P. Sutter            
Name: Martin P. Sutter

          /s/ R. Scott Barry            
Name: R. Scott Barry

          /s/ Ronald Eastman            
Name: Ronald Eastman

          /s/ Guido J. Neels            
Name: Guido J. Neels

          /s/ Petri Vainio            
Name: Petri Vainio

          /s/ Steve Wiggins            
Name: Steve Wiggins

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Exhibit 1

**JOINT FILING AGREEMENT**

Each of the undersigned agrees that (i) the statement on Schedule 13G relating to the Common Stock of AxoGen, Inc., has been adopted and filed on behalf of each of them, (ii) all future amendments to such statement on Schedule 13G/A will, unless written notice to the contrary is delivered as described below, be jointly filed on behalf of each of them, and (iii) the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934 apply to each of them. This agreement may be terminated with respect to the obligations to jointly file future amendments to such statement on Schedule 13G as to any of the undersigned upon such person giving written notice thereof to each of the other persons signature hereto, at the principal office thereof.

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Date: September 2, 2015

**ESSEX WOODLANDS FUND IX, L.P.**

By: Essex Woodlands Fund IX-GP, L.P.,  
Its General Partner

By: Essex Woodlands IX, LLC,  
Its General Partner

By:         /s/ Martin P. Sutter          
Name: Martin P. Sutter  
Title: Managing Director

**ESSEX WOODLANDS FUND IX-GP, L.P.**

By: Essex Woodlands IX, LLC,  
Its General Partner

By:         /s/ Martin P. Sutter          
Name: Martin P. Sutter  
Title: Managing Director

**ESSEX WOODLANDS IX, LLC**

        /s/ Martin P. Sutter          
Name: Martin P. Sutter  
Title: Managing Director

**INDIVIDUALS:**

        /s/ Martin P. Sutter          
Name: Martin P. Sutter

        /s/ R. Scott Barry          
Name: R. Scott Barry

        /s/ Ronald Eastman          
Name: Ronald Eastman

        /s/ Guido J. Neels          
Name: Guido J. Neels

        /s/ Petri Vainio          
Name: Petri Vainio

        /s/ Steve Wiggins          
Name: Steve Wiggins