| FORM | 4 |
|------|---|
|------|---|

| Check this box if no<br>longer subject to<br>Section 16. Form 4 or<br>Form 5 obligations | STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF<br>SECURITIES             |
|--|---|
| may continue. <i>See</i><br>Instruction 1(b).  | Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 of |

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

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| (Print or Type Respo                          | onses)   |   |                                   |                      |  |  |  |                         |
|---|--|---|-----------------------------------|----------------------|--|--|--|-------------------------|
| 1. Name and Addre<br>Friedman Mark I          | on <sup>*</sup> 2. Issuer Na<br>Symbol<br>AxoGen, In             |   |                                   | ter or Trading       | 5. Relationship of Reporting Person(s) to<br>Issuer<br>(Check all applicable)<br>Director 10% Owner  |  |  |                         |
| (Last)<br>C/O AXOGEN, 1<br>PROGRESS BO<br>100 | <ul> <li>3. Date of Ea<br/>(Month/Day,<br/>12/16/2011</li> </ul> | /Year)  | nsac                              | ction                | X Officer (give title Other (specify below)<br>below)<br>Vice President of RA/QA   |  |  |                         |
| ALACHUA, FL                                   | 4. If Amendi<br>Filed(Month/E                                    |   | e Oı                              | riginal              | 6. Individual or Joint/Group Filing(Check<br>Applicable Line)<br>_X_Form filed by One Reporting Person<br>Form filed by More than One Reporting Person |  |  |                         |
| (City)  | Table I -  | Non-De  | riva                              | tive Securities Acqu | ired, Disposed of, or Beneficially Owned   |  |  |                         |
| 1.Title of Security<br>(Instr. 3)             | 2. Transaction<br>Date<br>(Month/Day/Year)                       | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | Transaction<br>Code<br>(Instr. 8) |                      | 4. Securities<br>Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4 and 5)<br>(A)<br>or<br>Amount (D) Price  | 5. Amount of<br>Securities<br>Beneficially Owned<br>Following Reported<br>Transaction(s)<br>(Instr. 3 and 4) |  | Beneficial<br>Ownership |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

| _           | (e.g., puts, calls, warrants, options, convertible securities) |                  |                    |            |     |            |      |                   |            |                  |        |             |                |             |             |
|-------------|--|------------------|--------------------|------------|-----|------------|------|-------------------|------------|------------------|--------|-------------|----------------|-------------|-------------|
| 1. Title of | 2.   | 3. Transaction   | 3A. Deemed         | 4.         |     | 5. Numb    | er   | 6. Date Exercisat | ole and    | 7. Title and     | Amount | 8. Price of | 9. Number of   | 10.         | 11. Nature  |
| Derivative  | Conversion   | Date             | Execution Date, if | Transact   | ion | of         |      | Expiration Date   |            | of Underlying I  |        | Derivative  | Derivative     | Ownership   | of Indirect |
| Security    | or Exercise  | (Month/Day/Year) | any                | Code       |     | Derivativ  | ve   | (Month/Day/Yea    | ır)        | Securities       |        | Security    | Securities     | Form of     | Beneficial  |
| (Instr. 3)  | Price of   |                  | (Month/Day/Year)   | (Instr. 8) | )   | Securitie  | s    |                   |            | (Instr. 3 and 4) |        | (Instr. 5)  | Beneficially   | Derivative  | Ownership   |
|             | Derivative   |                  |                    |            |     | Acquired   | 1    |                   |            |                  |        |             | Owned          | Security:   | (Instr. 4)  |
|             | Security   |                  |                    |            |     | (A) or     |      |                   |            |                  |        |             | Following      | Direct (D)  |             |
|             |  |                  |                    |            |     | Dispose    | d of |                   |            |                  |        |             | 1              | or Indirect |             |
|             |  |                  |                    |            |     | (D)        |      |                   |            |                  |        |             | Transaction(s) | · · /       |             |
|             |  |                  |                    |            |     | (Instr. 3, | 4,   |                   |            |                  |        |             | (Instr. 4)     | (Instr. 4)  |             |
|             |  |                  |                    |            |     | and 5)     |      |                   |            |                  |        |             |                |             |             |
|             |  |                  |                    |            |     |            |      |                   |            |                  | Amount |             |                |             |             |
|             |  |                  |                    |            |     |            |      | Date              | Expiration |                  | or     |             |                |             |             |
|             |  |                  |                    |            |     |            |      |                   | Date       | Title            | Number |             |                |             |             |
|             |  |                  |                    |            |     |            |      | Excicisable       | Daic       |                  | of     |             |                |             |             |
|             |  |                  |                    | Code       | V   | (A)        | (D)  |                   |            |                  | Shares |             |                |             |             |
| Stock       |  |                  |                    |            |     |            |      |                   |            |                  |        |             |                |             |             |
| Option      |  |                  |                    |            |     |            |      |                   |            | Common           |        |             |                |             |             |
|             | \$ 2.74  | 12/16/2011       |                    | A          |     | 40,000     |      | 12/16/2012(1)     | 12/16/2018 | Common<br>Stock  | 40,000 | \$0         | 40,000         | D           |             |
| (right to   |  |                  |                    |            |     |            |      |                   |            | STOCK            |        |             |                |             |             |
| buy)        |  |                  |                    |            |     |            |      |                   |            |                  |        |             |                |             |             |

## **Reporting Owners**

| Bonorting Ormon Nome / Address  | Relationships |           |                         |       |  |  |
|---|---------------|-----------|-------------------------|-------|--|--|
| Reporting Owner Name / Address  | Director      | 10% Owner | Officer                 | Other |  |  |
| Friedman Mark Louis<br>C/O AXOGEN, INC.<br>13859 PROGRESS BOULEVARD, SUITE 100<br>ALACHUA, FL 32615 |               |           | Vice President of RA/QA |       |  |  |

## Signatures

| /s/Mark Friedman               | 12/20/2011 |
|--------------------------------|------------|
| -Signature of Reporting Person | Date       |

## **Explanation of Responses:**

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

All shares pursuant to the options will be fully vested on December 16, 2015 (4 years from the option grant date) based upon a vesting (1) schedule whereby 25% of the aggregate shares vest on December 16, 2012 (12 months from the option grant date) and an additional 12.5%

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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