

KIERNAN JOHN P  
Form 4  
May 20, 2010

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
See Instruction  
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF  
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

## OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
KIERNAN JOHN P

2. Issuer Name **and** Ticker or Trading  
Symbol  
VEECO INSTRUMENTS INC  
[VECO]

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

(Last) (First) (Middle)  
VEECO INSTRUMENTS  
INC., TERMINAL DRIVE  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
05/18/2010

\_\_\_\_ Director \_\_\_\_ 10% Owner  
\_X\_ Officer (give title below) \_\_\_\_ Other (specify below)  
SVP Finance & Corp. Controller

PLAINVIEW, NY 11803

4. If Amendment, Date Original  
Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_X\_ Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting  
Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired (A)<br>or Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|
| Common<br>stock                       | 05/18/2010                              |                                                             | F                                    | (A)<br>or<br>(D)<br>1,233<br>(1)                                        | \$ 45.5 13,767                                                                                                     | D                                                                       |                                                                   |
| Common<br>Stock                       | 05/18/2010                              |                                                             | M                                    | 4,583 A                                                                 | \$ 8.82 18,350                                                                                                     | D                                                                       |                                                                   |
| Common<br>Stock                       | 05/18/2010                              |                                                             | S                                    | 4,583 D                                                                 | \$ 41.2673 13,767<br>(2)                                                                                           | D                                                                       |                                                                   |

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

**Persons who respond to the collection of  
information contained in this form are not**

SEC 1474  
(9-02)

required to respond unless the form displays a currently valid OMB control number.

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| Stock Option (right to purchase)           | \$ 8.82                                                | 05/18/2010                           |                                                    | M                              | 4,583                                                                                   | <sup>(3)</sup> 05/17/2016                                | Common Stock                                                  | 4,583                         |

## Reporting Owners

| Reporting Owner Name / Address                                                     | Relationships |           |                                |       |
|------------------------------------------------------------------------------------|---------------|-----------|--------------------------------|-------|
|                                                                                    | Director      | 10% Owner | Officer                        | Other |
| KIERNAN JOHN P<br>VEECO INSTRUMENTS INC.,<br>TERMINAL DRIVE<br>PLAINVIEW, NY 11803 |               |           | SVP Finance & Corp. Controller |       |

## Signatures

Gregory A. Robbins,  
Attorney-in-fact  
Date 05/20/2010

\_\_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).
- (1) Represents securities surrendered to Veeco to satisfy tax withholding obligations due upon the vesting of restricted stock. Reflects weighted average sale price. Actual sale prices ranged from \$41.21 to \$41.31 per share. The reporting person undertakes to
- (2) provide, upon the request of the SEC staff, the issuer or any security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (3) The option was granted on May 18, 2009 and became exercisable with respect to 1/3 of such shares on each of the first, second and third anniversaries of the date of grant.

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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