FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| OMB APPRO |
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| OMB Number: | 3235-0287 |
|--------------------------|-----------|
| Estimated average burden | |
| hours per response: | 0.5 |

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* | | | 2. Issuer Name and Ticker or Trading Symbol Rexford Industrial Realty, Inc. [REXR] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | |
|--|-----------|----------|--|---|---------------------------------|-----------------------|--|--|--|
| ZIMAN RICHARD S | | | [result] | X | Director | 10% Owner | | | |
| | | | | ┙ | Officer (give title | Other (specify | | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) | | below) | below) | | | |
| 11620 WILSHIRE | BOULEVARD | | 02/26/2015 | | | | | | |
| SUITE 1000 | | | | | | | | | |
| (Street) | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Indiv | idual or Joint/Group Filing (Cl | neck Applicable Line) | | | |
| LOS ANGELES | CA | 90025 | | X | Form filed by One Reporting | ng Person | | | |
| LOSTANGLELS | CH | 70023 | | | Form filed by More than O | ne Reporting Person | | | |
| (City) | (State) | (Zip) | | | | | | | |

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | Transaction Code (Instr. | | 4. Securities Ad Disposed Of (D | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--|---|--------------------------|---|------------------------------------|---------------|--------|--|---|---|
| | | | Code | v | Amount | (A) or (D) | Price | (Instr. 3 and 4) | | (mati. 4) |
| Common Stock, par value \$0.01 | 02/26/2015 | | A ⁽¹⁾ | | 32,052 | A | \$0.00 | 163,564 | D | |

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) | Code (li | nsaction Derivative | | 6. Date Exerc Expiration Day/\(\) | ate | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | Derivative | 9. Number of derivative Securities Beneficially Owned Following Reported | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | | | | | | | | | | | |
|--|---|--|---|----------|---------------------|--|--------------------------------------|-----|--|--|------------|--|--|--|---|-----|-----|---------------------|--------------------|-------|----------------------------------|--|------------------------------|--|--|
| | | | | | | | | | | | | | | Code | v | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | Transaction(s) (Instr. 4) | | |

Explanation of Responses:

Remarks:

/s/ Cher Riban, as attorney-in-fact 04/01/2015

** Signature of Reporting Person

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

- * 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

^{1.} Represents shares of restricted common stock issued to the Reporting Person pursuant to the Rexford Industrial Realty, Inc. and Rexford Industrial Realty, L.P. 2013 Equity Incentive Award Plan, which will vest with respect to 25% of the shares subject to the award on October 23 of each of 2015, 2016, 2017 and 2018, subject to the Reporting Person's continued service.