

N/A

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instructions A.2.):

- ..Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - ..Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - ..Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - ..Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 2.01 Completion of Acquisition or Disposition of Assets.

On September 15, 2014, Rexford Industrial Realty, Inc. (the “Company”) through its operating partnership, Rexford Industrial Realty, L.P., acquired the industrial property located at 9120 Mason Avenue (the “Property”) in Chatsworth, California. The Property was purchased from an unaffiliated third-party seller for a purchase price of \$30.5 million using available cash on hand. The Property consists of one building totaling 319,348 square feet situated on 11.82 acres of land and is fully-leased through June 2020.

Item 7.01 Regulation FD Disclosure.

On September 15, 2014, the Company issued a press release announcing the acquisition of the Property. A copy of the press release is furnished with this Current Report as Exhibit 99.1 and is incorporated herein by reference.

The information included in this Current Report on Form 8-K under this Item 7.01 (including Exhibit 99.1 attached hereto) is being “furnished” and shall not be deemed to be “filed” for the purposes of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of the Exchange Act, nor shall it be incorporated by reference into a filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing. The information included in this Current Report on Form 8-K under this Item 7.01 (including Exhibit 99.1 attached hereto) will not be deemed an admission as to the materiality of any information required to be disclosed solely to satisfy the requirements of Regulation FD.

Item 9.01 Financial Statements and Exhibits.

(d)Exhibits.

2.1 Purchase and Sale Agreement by and between LBA/PPF Industrial – Mason, LLC., as Seller, and Rexford Industrial Realty, L.P., as Buyer, for 9120 Mason Avenue and 20355 Corisco Street, Chatsworth, California
Dated as of August 18, 2014

99.1 Press Release dated September 15, 2014

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto authorized.

Rexford Industrial Realty, Inc.

September 15, 2014 /s/ Michael S. Frankel
Michael S. Frankel
Co-Chief Executive Officer
(Principal Executive Officer)

September 15, 2014 Rexford Industrial Realty, Inc.

/s/ Howard Schwimmer
Howard Schwimmer
Co-Chief Executive Officer
(Principal Executive Officer)

EXHIBIT INDEX

Exhibit

Number Description

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