

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

OMB APPROVAL

OMB Number: 3235-0145
Expires: December 31, 1997
Estimated average burden hours per response 14.90

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 4)*

Rex Stores Corp.

(Name of Issuer)

Common

(Title of Class of Securities)

761624105

(CUSIP Number)

Check the following box if a fee is being paid with this statement // (A fee is not required only if the filing person: (1) has a previous statement on filing reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7).

*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).

Page 1 of 4 pages

Schedule 13G

CUSIP No. 761624105

1 NAME OF REPORTING PERSON:
S.S. or I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
PRIMECAP Management Company **95-3868081**

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
225 South Lake Avenue #400, Pasadena, CA 91101

NUMBER OF 5 SOLE VOTING POWER **-0-**
SHARES
BENEFICIALLY 6 SHARED VOTING POWER **-0-**

OWNED BY EACH
REPORTING
PERSON WITH

7 SOLE DISPOSITIVE POWER 1,125,000

8 SHARED DISPOSITIVE POWER -0-

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,125,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

0

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
9.19%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
IA

***SEE INSTRUCTIONS BEFORE FILLING OUT!**

Page 2 of 4 pages

Schedule 13G

CUSIP No. 761624105

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

- (i) Sole power to vote or to direct the vote
- (ii) Shared power to vote or to direct the vote
- (iii) Sole power to dispose or to direct the disposition of
- (iv) Shared power to dispose or to direct the disposition of

INSTRUCTION: For computations regarding securities which represent a right to acquire an underlying security see Rule 13d-3(d)(1).

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. //

INSTRUCTION: Dissolution of a group requires a response to this item.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to the effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

If a parent holding company has filed this schedule, pursuant to Rule 13d-1(b)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and Item 3 classification of the relevant subsidiary. If a parent holding company has filed this schedule pursuant to Rule 13d-1(c), attach an exhibit stating the identification of the relevant subsidiary.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

If a group has filed this schedule pursuant to Rule 13d-1(b)(ii)(H), so indicate under Item 3(h) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to Rule 13d-1(c), attach an exhibit stating the identity of each member of the group.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See item 5.

ITEM 10. CERTIFICATION

The following certification shall be included if the statement is filed pursuant to section 240.13d-1(b):

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 that purpose or effect.

Page 3 of 4 pages

SIGNATURE

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

September 30, 2002

Date

/s/ THEO A. KOLOKOTRONES

Signature

Theo A. Kolokotronis, President

Name/Title

Page 4 of 4 pages

QuickLinks

[SIGNATURE](#)