FORM 4

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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|   | OMB APPRO              | VAL       |  |  |  |  |
|---|------------------------|-----------|--|--|--|--|
|   | OMB Number:            | 3235-0287 |  |  |  |  |
| l | Estimated average burd | en        |  |  |  |  |
| l | hours per response:    | 0.5       |  |  |  |  |

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

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* WEHRWEIN SVEN |   |  |   |         |                              | 2. Issuer Name and Ticker or Trading Symbol SPS COMMERCE INC [ SPSC ] |   |         |  |       |                  |  |   |                      |   | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)   |          |   |   |  |  |
|  |   |  |   |         |                              |   | of Farliest   | t Trans | saction (Mo  | nth/F | )av/Year)        | X  | _   | (give title          |   | 10% Ov<br>Other (s<br>below)  | ·        |   |   |  |  |
| (Last) (First) (Middle) 333 SOUTH SEVENTH STREET       |   |  |   |         |                              |   | 2017  | riunc   | saction (we  |       | ouy, reury       |  | below)  |                      |   | below)  |          |   |   |  |  |
| SUITE 1000   |   |  |   |         |                              | f Ame   | endment,  | Date o  | of Original F  | iled  | (Month/Da        | 6. Individual or Joint/Group Filing (Check Applicable Line)                                      |   |                      |   |   |          |   |   |  |  |
| (Street) MINNEAPOLIS MN 55402                          |   |  | 55402   |         | _                            |   |   |         |  |       |                  | X  | X Form filed by One Reporting Person  Form filed by More than One Reporting  Person |                      |   |   |          |   |   |  |  |
| (City) (State) (Zip)                                   |   |  |   |         |                              |   |   |         |  |       |                  |  |   |                      |   |   |          |   |   |  |  |
|  |   | Tab  | le I - Noi                                    | n-Deriv | /ative                       | e Se  | curitie   | s Ac    | quired, I  | Disp  | osed c           | of, or Be  | enefi   | icially              | / Owned   | ı   |          |   |   |  |  |
| Dai  |   |  |   |         | Day/Year) if                 |   | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |         | Transaction Disposed Code (Instr. 5)                           |       |                  | ities Acquired (A) or<br>d Of (D) (Instr. 3, 4 an  |   |                      |   | es For<br>ially (D)<br>Following (I) (  |          | : Direct<br>r Indirect<br>str. 4)                                       | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |  |
|  |   |  |   |         |                              |   |   |         | Code   | v     | Amount           | (A) (<br>(D)   | r P   | rice                 | Reporte<br>Transac<br>(Instr. 3                     | ction(s)  |          |   | (111341. 4)   |  |  |
| Common   | Stock   |  |   | 05/23   | 3/2017                       | 7   |   |         | A  |       | 909(1            | ) A  |   | \$0.00               | 5,  | 502   | D D      |   |   |  |  |
|  |   | 7  | Table II -                                    |         |                              |   |   |         | uired, Di<br>, option:   |       |                  |  |   |                      | Owned   |   |          |   |   |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)    | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deeme<br>Execution<br>if any<br>(Month/Da | Date,   | 4.<br>Transa<br>Code (<br>8) |   | of  |         | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |       |                  | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |   |                      | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>derivative<br>Securities<br>Beneficial<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | i<br>lly | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4 | Beneficial<br>Ownership<br>(Instr. 4)                             |  |  |
|  |   |  |   |         | Code                         | v   | (A)   |         | Date<br>Exercisable  |       | xpiration<br>ate | Title  | or  | ount<br>nber<br>ires | per   |   |          |   |   |  |  |
| Stock<br>Option<br>(right to                           | \$58.29   | 05/23/2017                                 |   |         | A                            |   | 3,026   |         | (2)  | 05    | 5/23/2024        | Common<br>Stock  | 3,0   | 026                  | \$0.00  | 3,026   |          | D   |   |  |  |

#### **Explanation of Responses:**

- 1. This reflects a restricted stock award. The shares subject to this award will vest in four equal installments on the last day of each fiscal quarter with the first vesting occurring on June 30, 2017, provided the recipient remains a member of the board as of the vesting date.
- 2. Shares subject to this option vest in four equal installments on the last day of each fiscal quarter with the first vesting occurring on June 30, 2017, provided the recipient remains a member of the board as of the vesting date.

#### Remarks:

/s/ Jonathan R. Zimmerman, Attorney-in-Fact for Sven A.

05/25/2017

Wehrwein

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.

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