FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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| OMB Number: | 3235-0287 |
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| Estimated average burden | |
| 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

| Name and Address of Reporting Person Messer Stephen | | | 2. Issuer Name and Ticker or Trading Symbol Spire Global, Inc. [SPIR] | Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner | | | | |
|--|----|----------|--|--|----------------------------|-----------------------|--|--|
| (Last) (First) (Middle) | | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 06/14/2023 | Λ | Officer (give title below) | Other (specify below) | | |
| 8000 TOWERS CRESCENT DRIVE SUITE 1100 (Street) | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | Month/Day/Year) 6. Individual or Joint/Group Filing (Check X Form filed by One Reporting F Form filed by More than One I | | | | |
| VIENNA | VA | 22182 | Rule 10b5-1(c) Transaction Indication | | | | | |
| (City) (State) (Zip) | | (Zip) | Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. | | | | | |

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) | 3. Transac Code (Ir 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership | |
|---------------------------------|--|---|---------------------------------|---|--|---------------|--|---|---|---|
| | | | Code | v | Amount | (A) or (D) | Price | (Instr. 3 and 4) | | (Instr. 4) |
| Class A Common Stock | 06/14/2023 | | A | | 260,804(1) | A | \$0.00 | 524,864 | D | |
| Class A Common Stock | | | | | | | | 197,280 | I | By: Zephir Worldwide LLC ⁽²⁾ |

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 | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transac Code (Ir 8) | | | tive ties ed (A) oosed of | Expiration Date (Month/Day/Year) A) d of | | d 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | Security (Instr. 5) E | 9. Number of derivative Securities Beneficially Owned Following Reported | Ownership Form: Direct (D) | 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:

- 1. The reported securities represent restricted stock units, which will vest in full on the earlier of (i) the one-year anniversary of the grant date, or (ii) the date of the first annual meeting of stockholders following grant date, subject to the Reporting Person's continued service through such vesting date.
- 2. Shares are held by Zephir Worldwide LLC. Mr. Messer is a member of Zephir Worldwide LLC and shares the power to vote and dispose of shares held by Zephir Worldwide LLC. The address for Zephir Worldwide LLC is 626 Millwood Road, Mt. Kisco, NY 10549.

Remarks:

/s/ Thomas Krywe, by Power of Attorney for Stephen Messer

06/16/2023

** Signature of Reporting Person

Date

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.