

MIRAGEN THERAPEUTICS, INC.  
 Form 4  
 March 13, 2017

**FORM 4**

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

OMB APPROVAL

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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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**LEFKOFF KYLE**

2. Issuer Name and Ticker or Trading Symbol  
**MIRAGEN THERAPEUTICS, INC.  
 [MGEN]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction  
 (Month/Day/Year)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**C/O MIRAGEN THERAPEUTICS, INC., 6200 LOOKOUT ROAD**

**03/09/2017**

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**BOULDER, CO 80301**

(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)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)				
				Code	V	Amount	(A) or (D)	Price			
Common Stock	03/09/2017		S				D	\$ 14.3846 <u>(1)</u>	466,773	I	See Footnote <u>(2)</u>
Common Stock	03/10/2017		S				D	\$ 14.3118 <u>(3)</u>	463,473	I	See Footnote <u>(2)</u>
Common Stock									1,607,437	I	See Footnote <u>(4)</u>

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

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(9-02)

**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)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned (Instr. 5)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LEFKOFF KYLE C/O MIRAGEN THERAPEUTICS, INC. 6200 LOOKOUT ROAD BOULDER, CO 80301		X		

## Signatures

/s/ Brent D. Fassett, as Attorney-in-Fact for Kyle A. Lefkoff  
Date: 03/13/2017

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* 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).
- (1) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$14.00 to \$14.75, inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each price within the ranges set forth in this footnote.
- (2) All of the shares are held by Boulder Ventures VI, L.P. ("BV VI LP"). BV Partners VI, LLC ("BV VI LLC"), the general partner of BV VI LP may be deemed to indirectly beneficially own the shares. Kyle A. Lefkoff, Peter A. Roshko and Jonathan L. Perl are managing members of BV VI LLC, and each share voting and dispositive power over the shares held by BV VI LP. The Reporting Person disclaims beneficial ownership of the shares, except to the extent of his pecuniary interest therein, if any.
- (3)

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The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$13.96 to \$14.645, inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each price within the ranges set forth in this footnote.

- (4) All of the shares are held by Boulder Ventures V, L.P. ("BV V LP"). BV Partners V, LLC ("BV V LLC"), the general partner of BV V LP may be deemed to indirectly beneficially own the shares. Kyle A. Lefkoff, Peter A. Roshko and Jonathan L. Perl are managing members of BV V LLC, and each share voting and dispositive power over the shares held by BV V LP. The Reporting Person disclaims beneficial ownership of the shares, except to the extent of his pecuniary interest therein, if any.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.