

Hatfield Jeffrey S.  
Form 3  
August 11, 2017

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Hatfield Jeffrey S.		(Month/Day/Year)	MIRAGEN THERAPEUTICS, INC. [MGEN]	
(Last)	(First)	(Middle)	08/10/2017	
C/O MIRAGEN THERAPEUTICS, INC., Â 6200 LOOKOUT ROAD			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
BOULDER, Â CO Â 80301			<input checked="" type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
(City)	(State)	(Zip)	<input type="checkbox"/> Officer	<input type="checkbox"/> Other
			(give title below)	(specify below)
			6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**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 control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

		Shares		or Indirect (I) (Instr. 5)
Stock Option (right to buy)	Ⓐ (1)	08/09/2027	Common Stock	24,000 \$ 11.12 D Ⓐ

## Reporting Owners

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

## Signatures

/s/ Brent D. Fassett, As Attorney-in-Fact for Jeffrey S. Hatfield	08/11/2017
**Signature of Reporting Person	Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) Automatic non-discretionary grant to the Reporting Person of a nonstatutory stock option under the Issuer's 2016 Equity Incentive Plan (the "Plan") in accordance with the Issuer's Amended and Restated Non-Employee Director Compensation Policy. The shares shall vest in 36 equal monthly installments starting on September 10, 2017, provided that at the relevant vesting dates the Reporting Person's continuous service to the Issuer has not been terminated as defined in and as determined under the Plan. The option expires ten years after the date of grant.

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### Remarks:

Exhibit List: Exhibit 24 Power of Attorney.

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.