

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL                                 |           |
|--|-----------|
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|--|---|--|
| 1. Name and Address of Reporting Person *<br><u>Hairford Matthew V</u><br><br>(Last) (First) (Middle)<br>5400 LBJ FREEWAY<br>SUITE 1500<br><br>(Street)<br>DALLAS TX 75240<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Matador Resources Co [ MTDR ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><b>President</b> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br>03/31/2017                      |  |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)   |   |  |

**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                    | 03/31/2017                           |  | M                              |   | 32,500  | A          | \$10.49 | 290,351 <sup>(1)(2)(3)(4)</sup>   | D  |   |
| Common Stock                    | 03/31/2017                           |  | F                              |   | 17,648 <sup>(5)</sup>   | D          | \$23.79 | 272,703 <sup>(1)(2)(3)(4)</sup>   | D  |   |
| Common Stock                    |                                      |  |                                |   |   |            |         | 5,000   | I  | Represents shares held of record by the reporting person's Individual Retirement Account. |

**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 Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D) | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Employee Stock Option                      | \$10.49  | 03/31/2017                           |  | M                              |   | 32,500   | (6) | 04/15/2017   |                 | Common Stock  | 32,500                                     | \$0  | 0   | D  |       |

**Explanation of Responses:**

- Includes 36,317 shares of restricted stock granted to the reporting person on February 15, 2017 that vest in equal annual installments on the first, second and third anniversaries of the date of grant.
- Includes 31,992 shares of restricted stock granted to the reporting person on February 19, 2016 that vest on the third anniversary of the date of grant.
- Includes 2,885 shares of restricted stock granted to the reporting person on March 7, 2014 that vest on the fourth anniversary of the date of grant.
- Includes 1,269 shares of restricted stock granted to the reporting person on February 11, 2014 that vest on the fourth anniversary of the date of grant.
- Represents shares withheld by the Issuer in connection with the reporting person's net share settlement to satisfy the exercise price and tax liability based upon the exercise of 32,500 shares of restricted stock that were granted to the reporting person on April 16, 2012. No shares were sold by the reporting person to satisfy the exercise price or the tax liability.
- The employee stock options vested in two equal biennial installments and were fully vested as of April 16, 2016.

**Remarks:**

/s/ Matthew V. Hairford, by  
Kyle A. Ellis as attorney-in-fact 04/04/2017

\*\* 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.

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