Memorial Resource Development Corp.

Form 4 April 01, 2015

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number: January 31, Expires:

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

2005

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading Cole Herbert William Issuer Symbol Memorial Resource Development (Check all applicable) Corp. [MRD] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Officer (give title __X_ Other (specify (Month/Day/Year) below) below) 9805 KATY FREEWAY, SUITE 03/31/2015 Member 13(d) group owning >10% 400 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting HOUSTON, TX 77024 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) Owned (Instr. 8) (D) or Ownership Indirect (I) (Instr. 4) Following Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code V Price Amount (D) Common S 03/31/2015 D D 20,000 81,772 Stock 17.25

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title a Amount of Underlying Securities (Instr. 3 a	of ng s	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Cole Herbert William 9805 KATY FREEWAY, SUITE 400 HOUSTON, TX 77024

Member 13(d) group owning >10%

Signatures

/s/ Herbert 04/01/2015 William Cole

**Signature of Reporting 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).

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.

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