Memorial Resource Development Corp. Form 4 June 01, 2016 OMB APPROVAL FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Robbins Gregory M Issuer Symbol Memorial Resource Development (Check all applicable) Corp. [MRD] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_Officer (give title Other (specify (Month/Day/Year) below) below) **500 DALLAS STREET, SUITE** 05/29/2016 SVP, Corporate Development 1800 (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 77002 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 6. Ownership 7. Nature of 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities Form: Direct Indirect (Instr. 3) any Code (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned Indirect (I) (Instr. 4) Following (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 4.674 \$ F 05/29/2016 D 282,268 D (1)Stock 15.3

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

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 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. Transact Code (Instr. 8)	5. tionNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	5	Date	Amor Unde Secur	le and unt of rlying tities (. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secu Bene Owne Follo Repo Trans (Instr
				Code N	7 (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

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Reporting Owners

Reporting Owner Name / Address	Relationships							
Treporting of the Linne (Linne (Director	10% Owner	Officer	Other				
Robbins Gregory M 500 DALLAS STREET, SUITE 1800 HOUSTON, TX 77002			SVP, Corporate Development					
Signatures								
/s/ Kyle N. Roane,	06/01/2	016						

Attorney-in-Fact 06/01/2016

**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 reporting person delivered 4,674 shares of common stock to satisfy tax withholding liabilities incident to the vesting of restricted shares issued in accordance with Rule 16b-3.

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.