Memorial Resource Development Corp.

Form 4 April 30, 2015

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF 2005

Estimated average burden hours per

Form 4 or 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

SECURITIES

response... 0.5

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Eckerman Steven Wayne			Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			Memorial Resource Development Corp. [MRD]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% Owner Officer (give titleX Other (specify			
9805 KATY FREEWAY, SUITE 400			04/29/2015	below) below) Member 13(d) group owning >10%			
(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			
HOUSTON, TX 77024				Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owned			

` •	,	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securitie	s Acq	uired (A) or	5. Amount of	6.	7. Nature of	
Security	(Month/Day/Year)	Execution Date, if	Transactio	orDisposed o	f (D)		Securities	Ownership	Indirect	
(Instr. 3)		any	Code	(Instr. 3, 4	and 5)		Beneficially	Form:	Beneficial	
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership	
							Following	or Indirect	(Instr. 4)	
					(A)		Reported	(I)		
					or		Transaction(s)	(Instr. 4)		
			Code V	Amount	(D)	Price	(Instr. 3 and 4)			
Common						\$				
Common Stock	04/29/2015		S	168,345	D	19.6167 (1)	774,365	D		

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.

SEC 1474

(9-02)

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	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transactio	5. orNumber	6. Date Exerc Expiration D		7. Title at Amount of		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(monda, Day, Teal)	(Month/Day/Year)	Code (Instr. 8)	of (Month/Donath			Underlyin Securities (Instr. 3 a	ng s	(Instr. 5) E) C F R T	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	or Title Nu of	nount umber uares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Eckerman Steven Wayne 9805 KATY FREEWAY, SUITE 400 HOUSTON, TX 77024

Member 13(d) group owning >10%

Signatures

/s/ Steven Wayne 04/29/2015 Eckerman

**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).

The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$19.52 to \$19.77 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote.

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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