Memorial Resource Development Corp.

Form 3

June 12, 2014

UNITED STATES SECURITIES AND EXCHANGE COMMISSION FORM 3 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 *

Weber Tony R

(Last)

(First)

(Middle)

(Month/Day/Year)

06/12/2014

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

5221 N. O'CONNOR BLVD.,

SUITE 1100

(Street)

Statement

Memorial Resource Development Corp. [MRD]

4. Relationship of Reporting Person(s) to Issuer

Filed(Month/Day/Year)

(Check all applicable)

_X__ Director Officer

10% Owner Other (give title below) (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting

5. If Amendment, Date Original

Person

Form filed by More than One

Reporting Person

4. Nature of Indirect Beneficial

IRVING, TXÂ 75039

(City) (State) (Zip)

1. Title of Security (Instr. 4)

Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities

Beneficially Owned

(Instr. 4)

Ownership Form:

Ownership (Instr. 5)

Direct (D) or Indirect (I) (Instr. 5)

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)

(Instr. 4)

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

4. Conversion or Exercise Price of

Ownership Form of Derivative Security:

6. Nature of Indirect Beneficial Ownership (Instr. 5)

Date Exercisable

Expiration Title Date

Amount or Number of

Shares

Derivative Security

Direct (D) or Indirect (I)

1

(Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Weber Tony R 5221 N. O'CONNOR BLVD., SUITE 1100 Â X Â Â IRVING, TXÂ 75039

Signatures

/s/ Tony R. Weber 06/12/2014

**Signature of Date
Reporting Person

Explanation of Responses:

No securities are beneficially owned

- * 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).

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Remarks:

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.

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