Fiddner Carl H Form 4 January 15, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

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)

See Instruction

| 1. Name and Address of Reporting Person * Fiddner Carl H | | | 2. Issuer Name and Ticker or Trading Symbol ARENA RESOURCES INC [ARD] | | | | 5. Relationship of Reporting Person(s) to Issuer | | | | |
|--|---|--|---|---|--------|-------------|--|--|---|--|--|
| (Last) | (First) (N | | 3. Date of Earliest Transaction | | | _ | (Check all applicable) | | | | |
| 11701 S. OSWEGO AVE. | | | (Month/Day/Year) 01/13/2010 | | | | _X_ DirectorOfficer (give below) | | Owner er (specify | | |
| | (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 | | | | |
| TULSA, O | K 74137 | | | | | | Form filed by N Person | More than One Re | porting | | |
| (City) | (State) | (Zip) T | able I - Non- | Derivative | Secur | ities Acq | uired, Disposed of | f, or Beneficial | ly Owned | | |
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, any (Month/Day/Yea | Code | 4. Securit on(A) or Di (Instr. 3, | sposed | d of (D) | 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) | | |
| Common Stock | | | | | | | 7,450 | I | IRA | | |
| Common Stock | 01/13/2010 | 01/13/2010 | C | 20,000 | A | \$ 23.42 | 20,000 | D | | | |

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

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

8. Pri Deriv Secur (Instr

| 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. Transacti Code (Instr. 8) | 5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | | 8 I S |
|---|---|--------------------------------------|---|---------------------------------------|---|---------------------|--------------------|---|-------------------------------------|-------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Stock Option | \$ 23.42 | | | | | 05/01/2008 | 11/01/2012 | Common Stock | 60,000 (1) | |
| Stock Option | \$ 37.85 | | | | | 12/17/2008 | 06/17/2013 | Common Stock | 25,000 (1) | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| Fiddner Carl H 11701 S. OSWEGO AVE. TULSA, OK 74137 | X | | | | | | |

Signatures

Carl H. Fiddner 01/15/2010

**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) Options are exercisable for 20% of the underlying shares, per year, over five years.

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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