Craddock James E Form 4 March 05, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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0.5

Check this box if no longer subject to Section 16. 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

1(b).

Stock

(Print or Type Responses)

| 1. Name and A Craddock Ja | Person * 2. Issuer Symbol | 2. Issuer Name and Ticker or Trading Symbol | | | | 5. Relationship of Reporting Person(s) to Issuer | | | | | |
|--------------------------------------|---|--|--|--|---------------------------------------|---|--|---|---|--|--|
| (Last) | (First) (M | | Rosetta Resources Inc. [ROSE] 3. Date of Earliest Transaction | | | | (Check all applicable) | | | | |
| 717 TEXAS | (Month/D | (Month/Day/Year) 03/01/2012 | | | | | Director 10% Owner Officer (give title Other (specify below) Sr. VP, Drilling & Prod. Ops. | | | | |
| | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person | | | | | |
| HOUSTON, | | | | | | Form filed by More than One Reporting Person | | | | | |
| (City) | (State) | (State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | |
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | Execution Date, if any (Month/Day/Year) | Code (Instr. 8) | 4. Securition(A) or Dis (Instr. 3, 4) | sposed 4 and 5 (A) or (D) | of (D) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | |
| Stock | 03/01/2012 | 03/01/2012 | S | 10,173 | D | 50 Q | 72,837 | 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)

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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 and Amount of Underlying Securities (Instr. 3 and 4) | 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

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Craddock James E 717 TEXAS **SUITE 2800** HOUSTON, TX 77002

Sr. VP, Drilling & Prod. Ops.

Signatures

/s/ Karen Paganis for James E. Craddock

03/05/2012

**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).

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.

Reporting Owners 2