

Rosetta Resources Inc.  
Form 4  
April 20, 2011

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
**LOW JOSIAH O III**

2. Issuer Name and Ticker or Trading Symbol  
**Rosetta Resources Inc. [ROSE]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
**717 TEXAS, SUITE 2800**  
  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**04/19/2011**

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

**HOUSTON, TX 77002**

4. If Amendment, Date Original Filed(Month/Day/Year)

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

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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	04/19/2011	04/19/2011	M	10,000 A	\$ 18.95 46,815	D	
Common Stock	04/19/2011	04/19/2011	M	5,000 A	\$ 24.595 51,815	D	
Common Stock	04/19/2011	04/19/2011	M	5,000 A	\$ 24.155 56,815	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)*

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. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)	8. Amount or Number of Shares of Underlying Security
Non-qualified Stock Options	\$ 18.95	04/19/2011	04/19/2011	M	10,000	12/14/2006 12/14/2016	Common Stock	10,000
Non-qualified Stock Options	\$ 24.155	04/19/2011	04/19/2011	M	5,000	05/09/2008 05/09/2018	Common Stock	5,000
Non-qualified Stock Options	\$ 24.595	04/19/2011	04/19/2011	M	5,000	05/15/2007 05/15/2017	Common Stock	5,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LOW JOSIAH O III 717 TEXAS SUITE 2800 HOUSTON, TX 77002	X			

## Signatures

/s/ Karen Paganis for Josiah O. Low III  
 04/20/2011  
 \*\*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.