SCHWARTZ ALAN G

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

Form 4 May 14, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

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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

2. Issuer Name and Ticker or Trading

CLIFFS NATURAL RESOURCES

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

SCHWARTZ ALAN G

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

05/12/2009

INC. [CLF]

Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

X_ Director 10% Owner

Officer (give title Other (specify below)

YALE LAW SCHOOL, 127 WALL

STREET

1. Title of

Security

(Instr. 3)

Common

Stock

(Street) 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 Form filed by More than One Reporting

Person

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

NEW HAVEN, CT 06520

(City) (State) (Zip)

05/12/2009

2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

4. Securities Acquired Transaction(A) or Disposed of (D) Code

(Month/Day/Year) (Instr. 8)

 $A^{(1)}$

(Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership Form: Direct (D) or Indirect (I)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

Reported (Instr. 4) Transaction(s)

(A) (Instr. 3 and 4)

28.89

Code V Amount (D) Price

2.596

23,324.8172 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 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. Transactic 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) | | 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 | Title N | Amount or Number of Shares | | |

Reporting Owners

| Relationships | | | | | | |
|---------------|-----------|--------------------|----------------------------|--|--|--|
| Director | 10% Owner | Officer | Other | | | |
| X | | | | | | |
| | | Director 10% Owner | Director 10% Owner Officer | | | |

Signatures

Traci L. Forrester by Power of Attorney 05/14/2009

**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).

Reflects the number of Common Shares credited to the account of the Reporting Person on the Annual Meeting of Shareholders date,

(1) May 12, 2009 (Annual Equity Grant), issued pursuant to the Cliffs Natural Resources Inc. Non-Employee Directors' Compensation Plan (as Amended and Restated December 31, 2008).

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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