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 or Section 30(h) of the Investment Company Act of 1940

pe Response	s)														
1. Name and Address of Reporting Person* Vetor Duke D				2. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. [CLF]						-	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Other (specify below)				
	(First) E TRAIL	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 03/14/2009							SVP	- N. America	in Coai		
IN FALLS	(Street)		4. If A	Amendmen	t, Date	e Origi	nal Fi	iled(Mont	h/Day/Year)	-	_X_ Form fil	ed by One Repo	orting Person	•	ble Line)
)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
1.Title of Security (Instr. 3)		Date	Execu	xecution Date, if	if Co (In	Code (Instr. 8)				f(D)	Beneficia Reported	ficially Owned Following rted Transaction(s)		Ownership Form: Direct (D)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			(IVIOIII	ionui/Day/Tear)		Code		Amoun	(A) or Amount (D)		(msu. 5 d				
Stock		03/14/2009]	F ⁽¹⁾		2,228	11)		19,633			D	
						Acquire	the f	form dis	splays a of, or Ben	currer eficiall	ntly valid	OMB con			
Conversion or Exercise	Date	on 3A. Deemed Execution Da any	ite, if	4. Transaction Code ear) (Instr. 8)		5. Number		6. Date Exercisable and Expiration Date		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		Derivative Security (Instr. 5)	Derivative Securities Beneficially Owned Following Reported	Owners Form o Derivat Securit Direct (or India	Beneficia Ownersh (Instr. 4)
			_		4, aı	nd 5)					Ι				
	d Address of ike D ALL TREF IN FALLS ecurity Stock Report on a s Conversion or Exercise Price of Derivative	(Street) IN FALLS, OH 44023 (State) ecurity Stock Report on a separate line for Exercise Price of Derivative (First) (First) (Street) (Street) (State) (State) (State) (State) (State) (Month/Day/Y	d Address of Reporting Person* lke D (First) (Middle) ALL TREE TRAIL (Street) IN FALLS, OH 44023 (State) (Zip) ecurity 2. Transaction Date (Month/Day/Year) Stock 03/14/2009 Report on a separate line for each class of security Table II - Conversion or Exercise Price of Derivative 3. Transaction Date (Month/Day/Year) A. Deemed Execution Date (Month/Day/Year) (Month/Day/Year)	d Address of Reporting Person* 2. It CLI [CL] (ALL TREE TRAIL (Street) IN FALLS, OH 44023 (State) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Table II - Derivative Table III - Derivative (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) (A. Deemed Execution Date (A. Derivative) (A. Derivative)	2. Issuer Name CLIFFS NAT [CLF] 3. Date of Earlie 03/14/2009 4. If Amendmen IN FALLS, OH 44023 2. Transaction Date (Month/Day/Year) 4. Stock 03/14/2009 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Execution Date, in any (Month/Day/Year) 3. Transaction Date (E.g., puts, calls, very color Exercise Price of Derivative Price of D	2. Issuer Name and CLIFFS NATUR. [CLF] 3. Date of Earliest Track O3/14/2009 4. If Amendment, Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 4. Stock Conversion or Exercise Price of Derivative Security 3. Date of Earliest Track O3/14/2009 4. If Amendment, Date Execution Date, if any (Month/Day/Year) 4. Table II - Derivative Securities beneficially owner (e.g., puts, calls, warrackers) Table II - Derivative Securities According (Month/Day/Year) 3. Transaction Date (e.g., puts, calls, warrackers) (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Code (Instr. 8) 4. Transaction Code (Instr. 8) 5. Security Table II - Derivative Securities According (Month/Day/Year) According to the first of the price of Derivative Security Code (Instr. 8)	2. Issuer Name and Ticker CLIFFS NATURAL RI [CLF] 3. Date of Earliest Transaction O3/14/2009 4. If Amendment, Date Original Polyment of Execution Date, if (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Instr. 8) Code (Instr. 8) Table II - Derivative Securities Acquired (Month/Day/Year) 2. Table II - Derivative Securities Acquired (Month/Day/Year) A. Deemed Execution Date, if (Instr. 8) Code (Instr. 8) Table II - Derivative Securities Acquired (Month/Day/Year) A. Deemed Execution Date, if (Instr. 8) Table II - Derivative Securities Acquired (Month/Day/Year) A. 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Da	d Address of Reporting Person* 2. Issuer Name and Ticker or Trading Sy CLIFFS NATURAL RESOURCE [CLF] 3. Date of Earliest Transaction (Month/Day 03/14/2009 4. If Amendment, Date Original Filed(Mont 10 10 10 10 10 10 10 10 10 10 10 10 10	2. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. [CLF] 3. Date of Earliest Transaction (Month/Day/Year) 03/14/2009	2. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. [CLF] 3. Date of Earliest Transaction (Month/Day/Year) O3/14/2009 4. If Amendment, Date Original Filed(Month/Day/Year) 4. If Amendment, Date Original Filed(Month/Day/Year) 5. Transaction Date (Month/Day/Year) 6. Code (Instr. 8) 7. Transaction (Month/Day/Year) 7. Transaction Date (Instr. 8) 7. Transaction (Month/Day/Year) 7. Transaction (Month/Day/Year)	2. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. Direct X Office	2. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. [CLF] 3. Date of Earliest Transaction (Month/Day/Year) ALL TREE TRAIL (Street) 4. If Amendment, Date Original Filed(Month/Day/Year) (State) 2. Transaction Date (Month/Day/Year) 3. Transaction Code 4. Securities Acquired (A) or Disposed of (D) Price Persons who respond to the collection of ind contained in this form are not required to rest the form displays a currently valid OMB contents Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 2. Transaction Code (Month/Day/Year) 3. Transaction Obate (Month/Day/Year) 3. Transaction Obate (Month/Day/Year) 3. Transaction Obate (Month/Day/Year) 3. Transaction Obate (Month/Day/Year) 4. Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 4. Securities (Month/Day/Year) 4. Securities (Month/Day/Year) 5. Relationship of Reg (Ch. Che Tyour Glass of Securities Acquired (A) or Disposed of (D) Disposed (A) or Disposed of (D) Price 5. Amount of Security 6. Individual or Joint/X Form filed by More than (A) or Disposed of (D) Disposed of (D) Price (A) or Disposed of (D) Price (A) or Disposed of (D) Price 5. Amount of Securities (Instr. 3 and 4) 6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title and Amount of Disposed of (D) Derivative D	Address of Reporting Person*- ike D CLIFFS NATURAL RESOURCES INC. CLEF CLIFFS NATURAL RESOURCES INC. Cliff Natural Proportion of Source (A) or Brite below. SVP - N. America Natural Proportion of Source (A) or Brite below. SVP - N. America Natural Proportion of Source (A) or Brite below. SVP - N. America Natural Proportion of Source (A) or Brite below. SVP - N. America Natural Proportion of Source (A) or Code (Instr. 3, 4 and 5) Code (Instr. 3,	Address of Reporting Person* (ke D

Reporting Owners

	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
Vetor Duke D 17385 TALL TREE TRAIL CHAGRIN FALLS, OH 44023			SVP - N. American Coal					

Signatures

Traci L. Forrester by Power of Attorney	03/17/2009
**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).
- (1) Surrender of shares in payment of tax liability incurred on March 14, 2009, the date of restricted stock vesting to the Reporting Person.

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.