

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

SCHEDULE 13G  
Under the Securities Exchange Act of 1934

Clean Energy Fuels Corp.  
(Name of Issuer)

Common Stock, without par value  
(Title of Class of Securities)

184499101  
(CUSIP Number)

April 30, 2012  
(Date of Event Which Requires Filing of this Statement)

Ms. Jennifer M. Grigsby  
Senior Vice President, Treasurer  
and Corporate Secretary  
Chesapeake Energy Corporation  
6100 North Western Avenue  
Oklahoma City, Oklahoma 73118  
(405) 848-8000

(Name, address and telephone number of person authorized to receive notices and communications)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☒ Rule 13d-1(c)

☐ Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(1)	Name of Reporting Person	Chesapeake Energy Corporation
	I.R.S. Identification No. of Above Person	73-1395733
(2)	Check the Appropriate Box if a Member of a Group ( <i>See Instructions</i> )	(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
(3)	SEC Use Only	
(4)	Citizenship or Place of Organization	Oklahoma
<hr/>		
Number of Shares	(5) Sole Voting Power	7,354,824
Beneficially Owned	(6) Shared Voting Power	-
By Each Reporting	(7) Sole Dispositive Power	7,354,824
Person With:	(8) Shared Dispositive Power	-
(9)	Aggregate Amount Beneficially Owned by Each Reporting Person	7,354,824
(10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares ( <i>See Instructions</i> )	<input type="checkbox"/>
(11)	Percent of Class Represented by Amount in Row (9)	7.91%*
(12)	Type of Reporting Person ( <i>See Instructions</i> )	HC; CO

\* Based upon 92,943,722 shares of Common Stock outstanding and deemed to be outstanding, which is the sum of (i) 86,588,898 shares of Common Stock issued and outstanding as of May 1, 2012, as reported by Clean Energy Fuels Corp. ("CLNE") in its most recent Quarterly Report on Form 10-Q filed May 7, 2012; (ii) 3,190,268 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount, together with accrued and unpaid interest to May 10, 2012, of CLNE's 7.50% convertible promissory notes (the "Convertible Notes") that were issued to Chesapeake NG Ventures Corporation, an Oklahoma Corporation and a wholly owned subsidiary of Chesapeake Energy Corporation, on July 11, 2011; and (iii) 3,164,556 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount of the Convertible Notes that Chesapeake NG Ventures Corporation has agreed to acquire on June 29, 2012.

**Item 1.**

**(a) Name of Issuer**

The name of the issuer is Clean Energy Fuels Corp., a Delaware corporation ("CLNE").

**(b) Address of Issuer's Principal Executive Offices**

CLNE's principal executive offices are located at 3020 Old Ranch Parkway, Suite 400, Seal Beach CA 90740.

**Item 2.**

**(a) Name of Person Filing**

This Schedule 13G is filed by Chesapeake Energy Corporation, an Oklahoma corporation ("Chesapeake").

**(b) Address of Principal Business Office or, if None, Residence**

Chesapeake's principal executive offices are located at 6100 North Western Avenue, Oklahoma City, Oklahoma 73118.

**(c) Citizenship**

Chesapeake is a corporation organized under the laws of the state of Oklahoma.

**(d) Title of Class of Securities**

This Schedule 13G relates to the common stock (the "Common Stock") of Clean Energy Fuels Corp.

**(e) CUSIP Number**

The CUSIP number for the Common Stock is 184499101.

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

Not applicable.

**Item 4. Ownership**

**(a) Amount beneficially owned:**

Chesapeake beneficially owns an aggregate of 7,354,824 shares of Common Stock, consisting of (i) 1,000,000 shares of Common Stock; (ii) 3,190,268 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount, together with accrued and unpaid interest to May 10, 2012, of CLNE's 7.50% convertible promissory notes (the "Convertible Notes") that were issued to Chesapeake NG Ventures Corporation, an Oklahoma Corporation and a wholly owned subsidiary of Chesapeake ("CNGV"), on July 11, 2011; and (iii) 3,164,556 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount of the Convertible Notes that CNGV has agreed to acquire on June 29, 2012.

**(b) Percent of class:**

Chesapeake beneficially owns an aggregate of 7.91% of CLNE's outstanding Common Stock calculated based on the following: (i) 1,000,000 shares of Common Stock, representing 1.07% of CLNE's outstanding Common Stock; (ii) 3,190,268 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount, together with accrued and unpaid interest to May 10, 2012, of the Convertible Notes that were issued to CNGV on July 11, 2011, representing 3.43% of CLNE's outstanding Common Stock if converted; and (iii) 3,164,556 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount of the Convertible Notes that CNGV has agreed to acquire on June 29, 2012, representing 3.40% of CLNE's outstanding Common Stock if converted.

All percentage calculations in this Schedule 13G are based upon 92,943,722 shares of Common Stock outstanding and deemed to be outstanding, which is the sum of (i) 86,588,898 shares of Common Stock issued and outstanding as of May 1, 2012, as reported by CLNE in its most recent Quarterly Report on Form 10-Q filed May 7, 2012; (ii) 3,190,268 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount, together with accrued and unpaid interest to May 10, 2012, of the Convertible Notes that were issued to CNGV on July 11, 2011; and (iii) 3,164,556 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount of the Convertible Notes that CNGV has agreed to acquire on June 29, 2012.

**(c) Number of shares as to which person has:**

(i) Sole power to vote or direct the vote:

Chesapeake beneficially owns an aggregate of 7,354,824 shares of Common Stock, consisting of (i) 1,000,000 shares of Common Stock; (ii) 3,190,268 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount, together with accrued and unpaid interest to May 10, 2012, of the Convertible Notes that were issued to CNGV on July 11, 2011; and (iii) 3,164,556 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount of the Convertible Notes that CNGV has agreed to acquire on June 29, 2012.

(ii) Shared power to vote or direct the vote: 0

(iii) Sole power to dispose or to direct the disposition of:

Chesapeake beneficially owns an aggregate of 7,354,824 shares of Common Stock, consisting of (i) 1,000,000 shares of Common Stock; (ii) 3,190,268 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount, together with accrued and unpaid interest to May 10, 2012, of the Convertible Notes that were issued to CNGV on July 11, 2011; and (iii) 3,164,556 shares of Common Stock that may be issued upon conversion of \$50,000,000 aggregate principal amount of the Convertible Notes that CNGV has agreed to acquire on June 29, 2012.

(iv) Shared power to dispose or to direct the disposition of: 0

**Item 5. Ownership of Five Percent or Less of a Class**

Not applicable.

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company**

Chesapeake NG Ventures Corporation (CO)

**Item 8. Identification and Classification of Members of the Group**

Not applicable.

**Item 9. Notice of Dissolution of Group**

Not applicable.

**Item 10. Certification**

Not applicable.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

DATED: May 10, 2012

CHESAPEAKE ENERGY CORPORATION

By: /s/ JENNIFER M. GRIGSBY

Jennifer M. Grigsby

Senior Vice President, Treasurer & Corporate Secretary