

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>HUGHES WILLIAM F JR</u>			2. Issuer Name and Ticker or Trading Symbol <u>NATURAL GAS SERVICES GROUP INC</u> [NGS]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>04/11/2011</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
<u>42921 NORMANDY LANE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street)	<u>LANCASTER CA 93536</u>							
(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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	04/11/2011		A		2,500 ⁽¹⁾	A	\$17.41	4,000	D	
Common Stock								170,500	I	By the William and Cheryl Hughes Trust

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Nonqualified Stock Option (right to buy)	\$5.55							12/31/2003	12/31/2013	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$9.34							01/05/2005	01/05/2015	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$16.96							12/30/2005	12/30/2015	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$13.9							01/01/2007	01/01/2017	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$19.61							12/31/2007	12/31/2017	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$8							03/31/2009	03/18/2019	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$20.48							03/31/2008	03/18/2018	Common Stock	2,500	2,500	D	
Nonqualified Stock Option (right to buy)	\$16.74							03/31/2010	03/22/2020	Common Stock	5,000	5,000	D	

Explanation of Responses:

1. The acquisition of the 2,500 shares of common stock reflects an award of restricted stock on April 11, 2011, pursuant to the Company's 2009 Restricted Stock/Unit Plan. The award vests in installments of 625 shares beginning on March 1, 2012, with additional 625 share installments vesting on June 1, September 1 and December 1, 2012, although the award is also subject to accelerated vesting upon the death, disability or retirement of the recipient, or upon a change in control of the Company.

/s/ William F. Hughes Jr.

04/12/2011

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* 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.

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 Number.